



U.S. Department  
of Transportation

National Highway  
Traffic Safety  
Administration

400 Seventh Street, S.W.  
Washington, D.C. 20590

Dear Crash Data Researchers/Users:

Thank you for choosing crash data from the National Highway Traffic Safety Administration (NHTSA) for your research or other use. The information contained in this motor vehicle crash report is collected, maintained and distributed in accordance with Public Law 89-564. In accordance with this Public Law, NHTSA is required not to release any case information until completion of quality control procedures. These procedures include a review of the case material to extract all names, licenses and registration numbers, non-coded interview material, non-research related researcher comments in the margins, non-factual data, and the production number portion of the vehicle identification number (VIN).

If you requested NHTSA to query its database files in order to identify a specific crash, then that query was made using non-personal descriptors you provided for use in our search. This motor vehicle crash may have been identified from a data search and matches the general, non-personal descriptors you provided, but we cannot confirm that this is the specific crash report you requested.

If you have any questions with regard to the above procedures, please contact the Field Operations Branch, Crash Investigation Division, National Center for Statistics and Analysis at 202-366-4820. Again, please be advised that we cannot confirm that this is the case that you have specifically requested nor can we certify the information to be correct.

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AUTO SAFETY HOTLINE  
(800) 424-9393  
Wash. D.C. Area 366-0123

Case Vehicle (A): 2000 Buick  
 Type: Regal GS, 4-door sedan  
 Driver: 40-year-old male  
 CDC: 12-FDEW-5

## SITUATION

(Slide 1) Case vehicle (A) was traveling north in the middle northbound lane of a straight section of a dry asphalt, six-lane divided roadway, (slides 2, 3) with a speed limit of 72 kph (45 mph). For an unknown reason, the driver of case vehicle (A) veered across the inside northbound lane, entered a concrete median with mountable curbs, and struck a bridge abutment head-on in a full-frontal mode. After impact, case vehicle (A) rebounded away from the abutment and came to rest in the median facing north.

## GENERAL VEHICLE DAMAGE AND ESTIMATED CRASH SEVERITIES

(Slide 4) Damage to case vehicle (A) was severe. The direct-damage length was 160 cm and began at the right-front bumper corner. The maximum crush was 108 cm and occurred 54-cm inboard from the right-front bumper corner. The right wheelbase was reduced 49 cm, and the left wheelbase was reduced 47 cm.

Using the WinSMASH accident-reconstruction program and (slides 5, 6, 7) c-values for case vehicle (A), the following impact severity was calculated:

Vehicle	Variable	Calculated Velocity Change - kph (mph)		
		Total	Longitudinal	Latitudinal
Case Vehicle (A)	delta V	97 (60)	-97 (-60)	0 (0)

The data downloaded from the vehicle Sensing and Diagnostic (SDM) indicated an impact speed of 60 mph, no pre-impact braking, and 100% throttle for four seconds prior to impact.

## DESCRIPTION OF DAMAGE TO CASE VEHICLE (A)

### Exterior

(Slides 8, 9, 10, 11, 12) The front bumper, both headlight assemblies, the radiator, the grille, the hood, and both fenders were damaged by direct contact. The windshield was damaged as the hood was crushed rearward. Both upper and lower A-pillars were deformed and the right roof siderail was slightly buckled. The hood was crushed, the hood latch was damaged and jammed,

and both hood hinges were damaged, but did not separate. The rear edge of the hood was elevated and contacted the windshield. There was 42 cm (9%) of bond separation at the lower left corner of the windshield. Both front doors were displaced rearward and were jammed closed. The left-front side window was shattered, but this may have occurred during extrication of the driver.

### **Interior**

(Slides 13, 14, 15) This vehicle was equipped with both steering-wheel and passenger frontal-impact airbags, which deployed during the frontal impact. This vehicle was also equipped with side-impact airbags which did not deploy. The steering-wheel airbag had been cut out and had several blood stains on the front and top rear of the bag. (Slides 16, 17, 18, 19) No damage was noted to the airbag module doors/flaps. (Slides 20, 21, 22) The steering-wheel rim and spokes were severely deformed. The steering column was rotated upward and was off the shear capsules. (Slides 23, 24, 25, 26, 27) The windshield was cracked and 42 cm (9%) of bond separation was noted in the lower left corner of the windshield. The sunroof opening was deformed and the glass was shattered. The rearview mirror was knocked off the mounting plate. The mid instrument panel, the control knobs, the radio, the ashtray, the climate control vents, the console-mounted gear shift lever, the parking brake release, and the glove compartment area were damaged by impact forces. The interior panels of both front doors and the left-front door armrest were damaged by impact forces. Both of the front seat adjusters were deformed and jammed, and the left-front seat cushion and backrest were damaged by impact forces. The lower instrument panel, the center console, and the accelerator pedal were damaged by impact forces and occupant contact. (Slides 28, 29, 30) The following intrusions were noted and measured:

Location	Component	Distance (cm)	Direction
left front	toepan below left knee strike	20	to rear
left front	toepan below right knee strike	40	to rear
left front	instrument panel	10	to rear
left front	steering-wheel hub	6	to rear
center front	instrument panel	12	to rear
right front	instrument panel	15	to rear

### **OCCUPANT INJURIES AND KINEMATICS**

The 6-ft, 0-in, 210-lb, 40-year-old male driver (slides 31, 32) was not wearing the available three-point belt, and the steering-wheel airbag deployed. (Slides 33, 34, 35, 36, 37, 38) On impact, he moved forward into the airbag and knee bolster/instrument panel. (Slides 39, 40, 41) It does not

appear that he made contact with the windshield header. He sustained contusions to both eyes and an abrasion to the left upper lip, probably from contact by the deploying airbag. He sustained a LeFort III fracture, involving the mandible, the hard palate, the maxillary sinus, the orbits, the anterior sinus wall, and both zygomatic arches. He also sustained fractures to the bilateral mandibular rami, a midline displaced fracture of the mandible, and a partially avulsed left-front tooth. These facial fractures were probably caused by contact with the steering-wheel rim through the overloaded airbag, and by contact with the upper instrument panel. He sustained a mid-chest abrasion and a right anterior pneumothorax from contact with the steering-wheel rim through the airbag. He sustained fractures of the left transverse processus of L2 through L5, probably from twisting and rotation of his torso. (Slide 42) He sustained a 12-cm laceration to the anal sphincter, from the median raphae to the mid-right portion of the scrotal sack, involving a laceration to the perineum, and a 5-cm transverse laceration to the scrotal sack. These lacerations are probably from splaying of the buttocks as he loaded the seat, resulting in stretching and pulling of the scrotal area, but are possibly from direct contact with the instrument panel/knee bolster or the foot pedals.

He sustained abrasions to the right forearm and wrist, and a contusion and laceration to the 1<sup>st</sup> right finger, probably from contact with the instrument panel. He sustained lacerations to the left forearm, probably from flying glass, but possibly from contact with the instrument panel. He sustained contusions to the left forearm, probably from contact with the instrument panel, but possibly from contact with the interior surface of the door. He sustained an abrasion to the left medial upper arm, probably from contact by the deploying airbag. He sustained an abrasion to the anterior/lateral aspect of the left knee, probably from contact with the knee bolster. (Slides 43, 44, 45) He sustained an open subtalar dislocation, involving the articular cartilage of the right foot, a fracture of the right navicular bone, and comminuted fractures of the 2<sup>nd</sup> through 5<sup>th</sup> right metatarsals, probably from contact with the accelerator pedal/toepan.

The following table and attached drawing (slide 46) summarize the injuries sustained by the driver.

Occupant: Driver

Restraints: 3-point belt not worn; airbag deployed;  
side-impact airbag did not deploy

Age: 40 years

Stature: 183 cm (6 ft, 0 in)

Sex: Male

Mass: 96 kg (210 lb)

Injury Description	A.I.S.	Injury Source		
		Definite	Probable	Possible
Contusion, both eyes	1		Airbag	
Abrasion, left upper lip	1		Airbag	
Abrasion, left medial upper arm	1		Airbag	
Le Fort III fracture, involving the mandible, hard palate, maxillary sinus, orbits, anterior sinus wall and both zygomatic arches	3		Steering-wheel rim/upper instrument panel	
Fractures, bilateral mandibular rami	1		Steering wheel rim/upper instrument panel	
Fracture, displaced midline mandible	2		Steering wheel rim/upper instrument panel	
Partially avulsed left tooth	1		Steering wheel rim/upper instrument panel	
Abrasion, mid-chest	1		Steering wheel	
Right anterior pneumothorax	3		Steering wheel	
Fractures, left transverse processus of L2 -5	2		Twisting of torso	
Laceration, anal sphincter, 12 cm	3		Seat	Lower instrument panel; foot pedals
Laceration, scrotal sack, 5 cm	1		Seat	Lower instrument panel; foot pedals
Abrasions, right forearm	1		Instrument panel	
Abrasions, right wrist	1		Instrument panel	
Laceration, 1 <sup>st</sup> right finger	1		Instrument panel	
Contusion, 1 <sup>st</sup> right finger	1		Instrument panel	
Laceration, left forearm	1		Flying glass	Instrument panel
Contusion, left forearm	1		Instrument panel	Interior door surface
Abrasion, left anterior/lateral knee	1	Knee bolster		
Open subtalar dislocation, involving the articular cartilage of the right foot	1		Accelerator pedal/toepan	
Fracture, right navicular bone	1		Accelerator pedal/toepan	
Fracture, comminuted, 2 <sup>nd</sup> -5 <sup>th</sup> right metatarsals	2		Accelerator pedal/toepan	
<u>Maximum A.I.S. Level</u>	<u>3</u>			
<u>Injury Severity Score</u>	<u>27</u>			

<b>TIME</b>		<b>ENVIRONMENTAL CONDITIONS</b>	
<b>DATE OF COLLISION</b>		<b>CONSTRUCTION ZONE</b>	
<hr style="margin-bottom: 10px;"/> <span style="float: right;">33</span>		<p>(0) NO (1) YES (9) UNKNOWN</p>	
<b>HOUR OF COLLISION</b> <i>(24 HOUR CLOCK)</i> <hr style="margin-bottom: 10px;"/> <span style="float: right;">21 24</span>		<b>ROAD ALIGNMENT VERTICAL PLANE</b>	
		<p>(1) LEVEL (2) CREST OF HILL (3) SLOPE (2%) (4) BOTTOM OF HILL (9) UNKNOWN</p>	
<b>LOCATION</b> <b>STATE:</b> _____		<b>ROAD ALIGNMENT HORIZONTAL PLANE</b>	
<b>STATE FIPS CODE</b> <hr style="margin-bottom: 10px;"/> <span style="float: right;">25 26</span>		<p>(1) STRAIGHT (2) CURVE (3) T - SHAPED (4) Y - SHAPED (7) OTHER: _____ (9) UNKNOWN</p>	
<b>AREA</b> <p>(1) URBAN (2) RURAL (9) UNKNOWN</p> <hr style="margin-bottom: 10px;"/> <span style="float: right;">27</span>		<b>SURFACE COVERING</b>	
		<p>(10) DRY (21) WATER - DAMP (22) WATER - WET (23) WATER - PUDDLED (29) WATER - AMOUNT UNKNOWN</p>	
<b>ROAD, TOTAL TRAFFIC LANES</b> <i>(FOR CASE VEHICLE)</i> <hr style="margin-bottom: 10px;"/> <span style="float: right;">28</span>		<p>(31) SNOW - LOOSE (32) SNOW - PACKED (39) SNOW - CONDITION UNKNOWN</p>	
<p>(1) 1-LANE (2) 2-LANES (3) 3-LANES (4) 4 OR MORE LANES (5) DIVIDED, 4 OR MORE LANES (6) PARKING LOT/DRIVEWAY (7) OTHER: _____ (9) UNKNOWN</p> <hr style="margin-bottom: 10px;"/> <span style="float: right;">29</span>		<p>(41) ICE (51) SLUSH (61) SPILLED GRAVEL (71) OTHER: _____ (99) UNKNOWN</p>	
<b>INTERSECTING RD, TOTAL LANES</b> <i>CHOOSE FROM ABOVE LIST, OR</i> <hr style="margin-bottom: 10px;"/> <span style="float: right;">30</span>		<b>VISIBILITY LIMITATION</b> <i>(FOR CASE VEHICLE)</i>	
<p>(8) NOT APPLICABLE</p> <hr style="margin-bottom: 10px;"/> <span style="float: right;">31</span>		<p>(0) NONE (1) CLOUDY/DARK (2) FOG (3) SMOKE (4) WINDSHIELD CONDITION (5) GLARE (6) RAIN (7) OTHER: _____ (8) ICE/SNOW (9) UNKNOWN</p>	
<b>TYPE OF ROAD SURFACE</b>		<b>VISIBILITY OBSTRUCTION</b> <i>(FOR CASE VEHICLE)</i>	
<p>(1) ASPHALT (2) CONCRETE (3) GRAVEL (4) MORE THAN ONE <i>(CIRCLE EACH)</i> (7) OTHER: _____ (9) UNKNOWN</p> <hr style="margin-bottom: 10px;"/> <span style="float: right;">32</span>		<p>(0) NONE (1) BUILDING (2) SIGN (3) VEGETATION <i>(E.G. BUSHES, SHRUBS)</i> (4) TREE (5) HILL OR CURVE IN ROAD (6) VEHICLE IN TRANSPORT (7) OTHER: _____ (8) PARKED VEHICLE (9) UNKNOWN</p>	
<b>ROAD DEFECTS</b>			
<p>(0) NO (1) YES (9) UNKNOWN</p>			



## GENERAL INFORMATION GI-3

<b>CRASH DETAILS</b>		<b>HIGHEST POLICE INJURY SEVERITY CODE IN CRASH (NOT JUST CASE VEHICLE)</b>	
CASE VEHICLE AND OBJECT  (0) NO (1) YES (9) UNKNOWN		1 47	(0) O - NO INJURY (1) C - POSSIBLE INJURY (2) B - NON-INCAPACITATING INJURY (3) A - INCAPACITATING INJURY (4) K - FATAL (5) INJURED, SEVERITY UNKNOWN (6) DIED PRIOR TO ACCIDENT (7) NON-FATAL INJURY SEVERITY UNKNOWN (9) UNKNOWN
CASE VEHICLE ROLLOVER  (0) NO ROLLOVER (1) YES, FIRST EVENT (2) YES, SUBSEQUENT EVENT (3) YES, SEQUENCE UNKNOWN (9) UNKNOWN		0 48	3* 55
CASE VEHICLE RAN OFF ROADWAY (BEFORE FIRST IMPACT)  (0) NO (1) YES (9) UNKNOWN		1 49	<b>DRIVER IMPAIRMENT</b>  <b>DRIVER ALCOHOL INVOLVEMENT (CASE VEHICLE)</b>  (0) NONE (1) YES (9) UNKNOWN/NOT REPORTED/ NO DRIVER
MOVING CASE VEHICLE AND CONTACTED MOVING VEHICLE  (0) NO (1) YES (9) UNKNOWN		0 50	<b>DRIVER ALCOHOL BAC (CASE VEHICLE)</b>  (80) NO TEST (90) CHEMICAL TESTS, NO RESULTS (95) AUTOPSY, NO RESULTS (99) UNKNOWN
CASE VEHICLE AND CONTACTED STOPPED VEHICLE  (0) NO (1) YES (9) UNKNOWN		0 51	<b>WAS THERE MENTION OF DRIVER IMPAIRMENT FOR CASE VEHICLE?</b>  (0) NO (1) YES (9) UNKNOWN
STOPPED CASE VEHICLE AND CONTACTED VEHICLE  (0) NO (1) YES (9) UNKNOWN		0 52	<b>LIST IMPAIRMENTS MENTIONED:</b>  _____ _____ _____
TOTAL NUMBER OF VEHICLES CONTACTED BY CASE VEHICLE IN CRASH  (8) 8 OR MORE (9) UNKNOWN		0 53	<b>POST - CRASH DETAIL</b>  <b>MANNER CASE VEHICLE LEFT SCENE</b>  (1) DRIVEN (2) TOWED DUE TO DAMAGE (3) TOWED, NOT DUE TO DAMAGE (4) TOWED, REASON UNKNOWN (9) UNKNOWN
ANY FIRE IN THIS CRASH (NOT JUST CASE VEHICLE)  (0) NO (1) YES (9) UNKNOWN		0 54	2 60

# ACCIDENT SCHEMATIC

ACCIDENT DESCRIPTION: Case vehicle (A) was traveling north in the middle northbound lane of a straight section of a dry asphalt, six-lane divided roadway. For an unknown reason, the driver of case vehicle (A) veered across the inside northbound lane, entered a concrete median with mountable curbs, and struck a bridge abutment head-on in a full frontal mode. After impact, case vehicle (A) rebounded away from the abutment and came to rest in the median facing north.

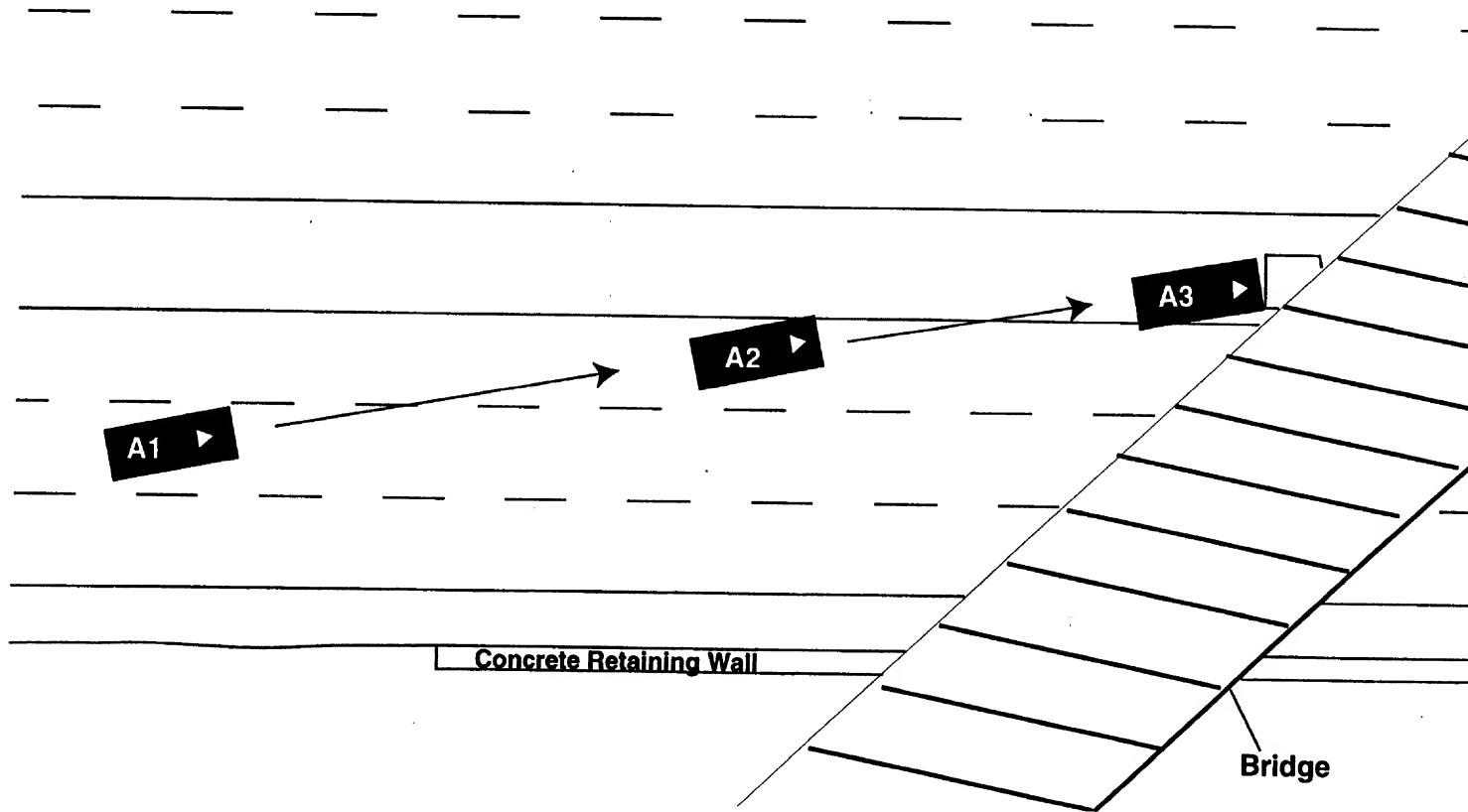
CASE VEHICLE (A): 2000 Buick Regal 4-door  
OTHER VEHICLE (B): N/A  
THIRD VEHICLE (C): N/A

G-4



NORTH

Speed limit 45 mph



Duplicate columns 1-8  
from the previous card.Module O  
9      V  
10     Format 0  
11     4  
12

## OTHER VEHICLE OV-1

MAKE: \_\_\_\_\_

CARGO: \_\_\_\_\_

MODEL: \_\_\_\_\_

VIN

13

29

MANUFAC/BODY CODE

N/A

30 ————— 34

MAKE/MODEL CODE

— — — — 38

56     57

MODEL YEAR

39 ————— 42

VEHICLE MASS (kg)

43 ————— 48

IF SEPARATE REPORT WAS MADE,  
GIVE VEHICLE NUMBER

## VEHICLE TYPE

## PASSENGER VEHICLE

- (02) LARGE
- (03) LIMOUSINE
- (17) PICKUP CAR
- (20) UNKNOWN PASSENGER VEHICLE BODY
- (24) SUB-MINI
- (25) MINI
- (26) SUB-COMPACT
- (27) COMPACT
- (28) INTERMEDIATE
- (29) FULL

NUMBER OF OCCUPANTS  
(ENTER 9'S IF UNKNOWN)

## MULTIPURPOSE PASSENGER VEHICLE

- (14) SMALL UTILITY (WHEELBASE LESS THAN 107",  
E.G. JEEP, BRONCO)
- (15) LARGE UTILITY (WHEELBASE MORE THAN 107",  
E.G. PANEL TRUCK, SUBURBAN)
- (16) PICKUP TRUCK WITH CANOPY/SHELL COVER
- (17) PICKUP CAR WITH CANOPY/SHELL COVER
- (21) MOTOR HOME
- (22) PICKUP TRUCK WITH SLIDE-IN CAMPER
- (23) PICKUP CAR WITH SLIDE-IN CAMPER
- (31) CHASSIS-MOUNTED CAMPER

TRAVELING SPEED (km/h)

54

- (000) PARKED OR STOPPED
- (995) JUST STARTING UP
- (996) BACKING UP
- (997) SPEED NOT EXCESSIVE (BUT UNKNOWN)
- (998) SPEED EXCESSIVE (BUT UNKNOWN)
- (999) UNKNOWN

## TRUCK

- (11) VAN
- (12) PICKUP TRUCK
- (13) UNKNOWN LIGHT TRUCK
- (15) LARGE UTILITY (E.G. PANEL TRUCK, SUBURBAN)
- (16) PICKUP TRUCK WITH CANOPY/SHELL COVER
- (22) PICKUP TRUCK WITH SLIDE-IN CAMPER
- (30) UNKNOWN TRUCK TYPE
- (31) CHASSIS-MOUNTED CAMPER
- (33) DELIVERY VAN (WALK-IN)
- (34) STRAIGHT TRUCK
- (35) TRUCK-TRACTOR (BOBTAIL)
- (36) CHASSIS-CAB
- (37) UNKNOWN HEAVY TRUCK
- (38) TRACTOR & SEMI-TRAILER (SEMI)
- (39) TRUCK (OR SEMI) & FULL TRAILER(S)

HIGHEST POLICE INJURY SEVERITY  
CODE FOR THIS VEHICLE

55

- (0) O - NO INJURY
- (1) C - POSSIBLE INJURY
- (2) B - NON-INCAPACITATING INJURY
- (3) A - INCAPACITATING INJURY
- (4) K - FATAL
- (5) INJURED, SEVERITY UNKNOWN
- (6) DIED PRIOR TO ACCIDENT
- (7) NON-FATAL INJURY  
SEVERITY UNKNOWN
- (8) UNOCCUPIED VEHICLE  
(NOT APPLICABLE)
- (9) UNKNOWN

## BUS

- (40) UNKNOWN BUS TYPE
- (41) SCHOOL BUS
- (42) INTERCITY BUS (BETWEEN CITIES)
- (43) TRANSIT BUS (INTRACITY)
- (44) STREETCAR (ON TRACKS)
- (68) TRAIN (CARS)
- (69) LOCOMOTIVE (ENGINE, SWITCHER)
- (99) UNKNOWN

## WHEELBASE (cm)

(999) UNKNOWN

58 59 60

Duplicate columns 1-8  
from the previous card.

Module O  
9      V  
10      Format 0  
11      2  
12

OTHER VEHICLE      OV-2

ORIGINAL SPECIFICATIONS

Wheelbase	_____ cm	Front Overhang	_____ cm
		22	24
Curb Weight	_____ kg	Rear Overhang	_____ cm
		25	27
Average Track Width	_____ cm	Undeformed End Width (UEW)	_____ cm
13	15	28	30
Overall Length	_____ cm	Engine Displacement	_____ L
16	18	31	32
Overall Width (OAW)	_____ cm	Engine: # of Cylinders	_____
19	21	33	34

VEHICLE DAMAGE

N/A

FRONTAL CRASH OVERLAP

Round up for .5. 98 = 98% or more  
Enter % overlap or "99" for missing or N/A.

Direct Damage Length (DDL)      \_\_\_\_\_ cm

35      37

Front-End Overlap (Percent) = DDL      \_\_\_\_\_ %  
  UEW      38      39

Vehicle Overlap (Percent) = DDL + 1/2 (OAW - UEW)      \_\_\_\_\_ %  
  OAW      40      41

Duplicate columns 1-8  
from the previous card.

Module V 9 D 10 Format 0 11 4 12

VEHICLE DESCRIPTION VD-1

MAKE: Buick  
MODEL: Regal

CARGO: None

VIN 2G4WE5515Y1

13

MANUFAC/BODY CODE 111

30

34

MAKE/MODEL CODE 0452

38

MODEL YEAR 2000

39

42

VEHICLE MASS (kg) 1607

43

48

ODOMETER (km)  
(ENTER 9'S IF UNKNOWN) 888888

49

54

NUMBER OF OCCUPANTS  
(ENTER 9'S IF UNKNOWN) 01

56

TRAVELING SPEED (km/h) 097

59

- (000) PARKED OR STOPPED
- (995) JUST STARTING UP
- (996) BACKING UP
- (997) SPEED NOT EXCESSIVE (BUT UNKNOWN)
- (998) SPEED EXCESSIVE (BUT UNKNOWN)
- (999) UNKNOWN

VEHICLE TYPE

PASSENGER VEHICLE

- (11) 2-DOOR HARDTOP (NO UPPER B-PILLAR)
- (12) 2-DOOR SEDAN OR COUPE  
(ANY UPPER B-PILLAR)
- (13) 4-DOOR HARDTOP
- (14) 4-DOOR SEDAN
- (15) STATION WAGON
- (16) CONVERTIBLE
- (18) OTHER PASS. VEH. : \_\_\_\_\_
- (19) PASSENGER VEHICLE, TYPE UNKNOWN

14

60

61

MULTIPURPOSE PASSENGER VEHICLE

- (21) SMALL UTILITY (E.G. JEEP, SCOUT, BRONCO)
- (22) LARGE UTILITY (E.G. PANEL TRUCK, SUBURBAN)
- (23) VAN, SIZE UNKNOWN
- (24) VAN, SMALL (MINI)
- (25) VAN, LARGE
- (29) MPV, TYPE UNKNOWN
- (30) MOTOR HOME

TRUCK

- (31) PICKUP TRUCK, UNKNOWN
- (32) PICKUP TRUCK, SMALL (DOWNSIZED)
- (33) PICKUP TRUCK, LARGE
- (99) UNKNOWN

STOLEN VEHICLE

- (0) NO
- (1) YES
- (8) NOT COLLECTED
- (9) UNKNOWN

8

62

BODY STRUCTURE

- (1) BODY & FRAME
- (2) UNITIZED
- (3) INTEGRAL-STUB FRAME
- (4) BODY & PLATFORM FRAME  
(E.G. VW BUG)
- (5) PARTIALLY UNITIZED
- (7) OTHER: \_\_\_\_\_
- (9) UNKNOWN

2

63

TRANSMISSION

- (0) NONE
- (1) AUTOMATIC
- (2) MANUAL
- (9) UNKNOWN

1

64

LOCATION OF TRANSMISSION  
SELECTOR LEVER

- (1) FLOOR
- (2) CONSOLE
- (3) COLUMN
- (7) OTHER: \_\_\_\_\_
- (9) UNKNOWN

2

65

STEERING

- (1) POWER
- (2) MANUAL
- (9) UNKNOWN

1

66

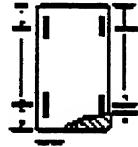
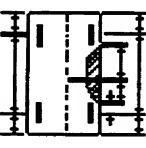
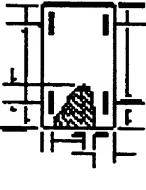
BRAKES

- (1) POWER
- (2) MANUAL
- (9) UNKNOWN

1

67

## VEHICLE DESCRIPTION VD-2

TYPE OF BRAKES  (1) DRUM, ALL WHEELS (2) DISC, FRONT WHEELS (3) DISC, ALL WHEELS (9) UNKNOWN	<u>3</u> 68	WHEELBASE (cm) (999) Unknown	<u>277</u> 76 77 78
BRAKE ANTI-LOCK DEVICE  (0) NONE INSTALLED (1) TWO-WHEEL (2) FOUR-WHEEL (7) EQUIPPED, UNKNOWN WHEELS (9) UNKNOWN	<u>2</u> 69	PLASTIC ANTI-LACERATIVE INNER LAYER GLASS EQUIPPED  (0) NONE (1) WINDSHIELD (2) WINDSHIELD AND SIDE (7) OTHER (9) UNKNOWN	<u>Ø</u> 79
AIR CONDITIONING IN VEHICLE  (0) NO (1) YES (8) NOT COLLECTED (9) UNKNOWN	<u>8</u> 70		
TYPE OF DRIVE  (1) REAR WHEEL (2) FRONT WHEEL (3) FOUR WHEEL (4) ALL WHEEL DRIVE (9) UNKNOWN	<u>2</u> 71		
DUAL REAR WHEELS  (0) NO (1) YES (9) UNKNOWN	<u>Ø</u> 72		
ORIGINAL TYPE OF RESTRAINT SYSTEM  (1) ACTIVE BELT (2) PASSIVE BELT (3) AIRBAG (4) KNEE BOLSTERS (7) OTHER: _____ (8) NOT APPLICABLE (NOT EQUIPPED) (9) UNKNOWN	<u>3</u> 73	FIELD INVESTIGATOR INSTRUCTIONS:  1. INDICATE CRUSHED AREAS BY OUT-LINING NEW PERIMETER OF VEHICLE AND SHADING THE DAMAGED AREAS ON THE LARGE SKETCH ON PAGE VD-3. USE AS MANY SKETCHES AS NECESSARY TO COMPLETELY DESCRIBE THE DAMAGE.  2. ENTER THE DIMENSIONS ON THE SKETCH(ES) MEASURED TO THE POINT OF MAXIMUM PENETRATION BY THE OBJECT(S) CONTACTED. USE THE EXAMPLES BELOW AS A GUIDE.  3. ENTER THE THREE DIMENSIONS TO THE CENTER OF THE WHEELS (WHEELBASE, FRONT AND REAR OVERHANGS) ON BOTH SIDES OF THE CAR.  4. ADD OTHER DIMENSIONS AS NECESSARY TO COMPLETELY DESCRIBE THE DAMAGE.  EXAMPLES:  FRONT OR REAR   SIDE   ROOF (REFERENCE TO TOP OF DOOR SILL OR WINDOW SILL) 	
EQUIPPED WITH ROLL BAR  (0) NO (1) YES (9) UNKNOWN	<u>Ø</u> 74		
TYPE OF ROOF  (0) NONE (1) SOLID (2) T-TOP CLOSED (3) T-TOP OPEN (4) SUN ROOF CLOSED (5) SUN ROOF OPEN (6) CONVERTIBLE CLOSED (7) CONVERTIBLE OPEN (8) OTHER: _____ (9) UNKNOWN	<u>4</u> 75		

Duplicate columns 1-8  
from the previous card.

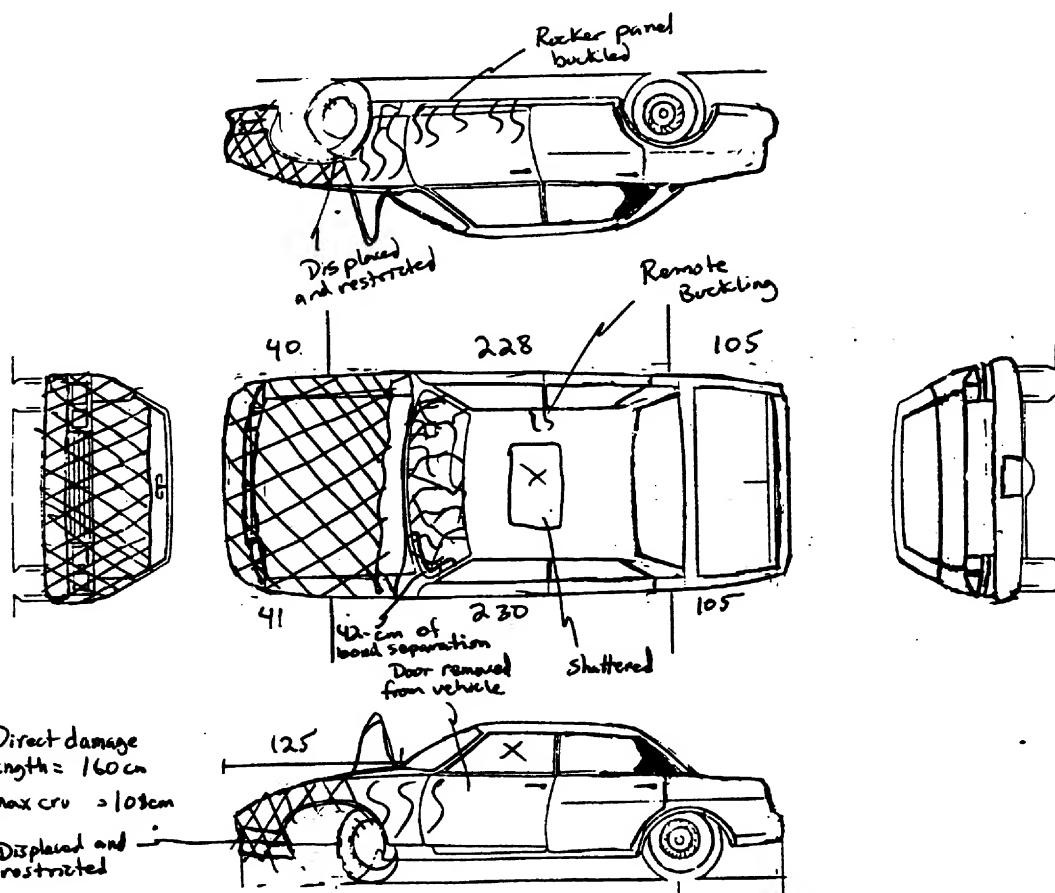
Module V 9 D 10 Format 0 11 2 12

## VEHICLE DESCRIPTION VD-3

### ORIGINAL SPECIFICATIONS

Wheelbase	<u>277</u> cm	Front Overhang	<u>109</u> cm
Curb Weight	<u>1607</u> kg	Rear Overhang	<u>113</u> cm
Average Track Width	<u>157</u> cm	Undeformed End Width (UEW)	<u>160</u> cm
Overall Length	<u>498</u> cm	Engine Displacement	<u>3.8</u> L
Overall Width (OAW)	<u>185</u> cm	Engine: # of Cylinders	<u>6</u>

### VEHICLE DAMAGE



### FRONTAL CRASH OVERLAP

Round up for .5. 98 = 98% or more  
Enter % overlap or "99" for missing or N/A.

Direct Damage Length (DDL)

160 cm

35 37

Front-End Overlap (Percent) =  $\frac{DDL}{UEW}$

98 %

38 39

Vehicle Overlap (Percent) =  $\frac{DDL + 1/2(OAW - UEW)}{OAW}$

98 %

40 41

Duplicate columns 1-8  
from the previous card.

Module D  
9    A  
10    Format 0  
            11    2  
            12

DAMAGE DA-1

<b>PRIMARY</b>	CASE VEHICLE PRIMARY CDC	CONTACTED VEHICLE ASSOCIATED CDC
	1	
	0 6 0	9 9 8
	7	8
	1 0 8	9 9 8
	1 2 . F D E W . 5	9 8 . 0 0 0 0 . 0
	9 8 . 0 0 0 0 . 0	9 8 . 0 0 0 0 . 0

Duplicate columns 1-8  
from the previous card.

Module D  
9    A  
10    Format 0  
            11    3  
            12

<b>SECONDARY</b>	CASE VEHICLE SECONDARY CDC	CONTACTED VEHICLE ASSOCIATED CDC
	8	
	— — —	35    36    37
	—	38
	— — —	39    40    41
	— — — — —	42    — — — — —
	— — — — —	49    — — — — —

### CODES

EVENT NUMBER	IMPACT SPEED ESTIMATOR	CRUSH
(8) NOT APPLICABLE	(1) INVESTIGATOR	(998) NOT APPLICABLE (NO VEHICLE/DAMAGE)
(9) UNKNOWN	(2) DRIVER	(999) UNKNOWN
IMPACT SPEED	(3) POLICE	CDC
(998) NOT APPLICABLE	(4) "CRASH" PROGRAM	
(999) UNKNOWN	(5) OTHER COMPUTER PROGRAM SPECIFY:	(9800000) NOT APPLICABLE
	(7) OTHER: <i>Vehicle's Data recorder</i>	(9900000) UNKNOWN
	(8) NOT APPLICABLE (NO VEHICLE/NO IMPACT)	

Duplicate columns 1-8  
from the previous card.

Module D A Format 0 1  
9 10 11 12

DAMAGE DA-2

### MAXIMUM SHEET METAL CRUSH

(cm) (999) UNKNOWN

FRONT 1 0 8  
13 15

RIGHT SIDE 0 1 0  
16 18

REAR 0 1 0  
19 21

LEFT SIDE 0 1 0  
22 24

ROOF 0 1 0  
25 27

OTHER 0 1 0  
28 30

### CHRONOLOGICAL SEQUENCE OF DAMAGE/INJURY PRODUCING CRASH EVENTS FOR CASE VEHICLE

NOTE: IF CHRONOLOGICAL ORDER  
IS UNKNOWN, EVENT  
ORDER IS OPTIONAL.

DO YOU KNOW THIS TABLE  
TO BE IN CHRONOLOGICAL ORDER?

J  
31

(0) NO  
(1) YES

EVENT NUMBER	IMPACT LOCATION  (1) ON ROADWAY (2) SHOULDER/MEDIAN/GORE (3) ON ROADSIDE (4) OUTSIDE ROADSIDE RIGHT-OF-WAY (5) OTHER (6) OFF ROADWAY, LOC. UNK. (9) UNKNOWN	IMPACT CONFIGURATION  FOR CODES, SEE TABLE ON PAGE DA-3.	OBJECT/VEHICLE CONTACTED  FOR CODES, SEE TABLE ON PAGE DA-4.
# 1	<u>2</u> 32	<u>1</u> <u>7</u> 34	<u>8</u> <u>8</u> 36
# 2	— 37	— — 39	— — 41
# 3	— 42	— — 44	— — 46
# 4	— 47	— — 49	— — 51
# 5	— 52	— — 54	— — 56
# 6	— 57	— — 59	— — 61
# 7	— 62	— — 64	— — 66

**CODES FOR  
IMPACT CONFIGURATION****FRONT OF CASE VEHICLE**

- (11) AND FRONT OF CONTACTED VEHICLE
- (13) AND SIDE OF CONTACTED VEHICLE
- (14) AND REAR OF CONTACTED VEHICLE
- (16) ENDSWIPED BY CONTACTED VEHICLE
- (17) AND OBJECT
- (19) AND UNKNOWN OTHER VEHICLE CONFIGURATION

**LEFT SIDE OF CASE VEHICLE**

- (21) AND FRONT OF CONTACTED VEHICLE (TYPE T)
- (22) AND FRONT OF CONTACTED VEHICLE (TYPE L)
- (23) AND SIDE OF CONTACTED VEHICLE (NOT SIDESWIPE)
- (24) AND REAR OF CONTACTED VEHICLE (TYPE T)
- (25) AND REAR OF CONTACTED VEHICLE (TYPE L)
- (26) SIDESWIPED BY CONTACTED VEHICLE
- (27) AND OBJECT
- (29) AND UNKNOWN OTHER VEHICLE CONFIGURATION

**REAR OF CASE VEHICLE**

- (31) AND FRONT OF CONTACTED VEHICLE
- (33) AND SIDE OF CONTACTED VEHICLE
- (34) AND REAR OF CONTACTED VEHICLE
- (36) ENDSWIPED BY CONTACTED VEHICLE
- (37) AND OBJECT
- (39) AND UNKNOWN OTHER VEHICLE CONFIGURATION

**RIGHT SIDE OF CASE VEHICLE**

- (41) AND FRONT OF CONTACTED VEHICLE (TYPE T)
- (42) AND FRONT OF CONTACTED VEHICLE (TYPE L)
- (43) AND SIDE OF CONTACTED VEHICLE (NOT SIDESWIPE)
- (44) AND REAR OF CONTACTED VEHICLE (TYPE T)
- (45) AND REAR OF CONTACTED VEHICLE (TYPE L)
- (46) SIDESWIPED BY CONTACTED VEHICLE
- (47) AND OBJECT
- (49) AND UNKNOWN OTHER VEHICLE CONFIGURATION

**OTHER**

- (57) VEHICLE TO OBJECT
- (58) VEHICLE TO VEHICLE
- (59) VEHICLE TO VEHICLE, CONFIGURATION UNKNOWN

**ROLLOVER**

- (61) LESS THAN 360°
- (62) 360° OR MORE
- (69) DETAILS UNKNOWN

**UNKNOWN**

- (99) IMPACT TYPE UNKNOWN

DAMAGE DA-4

## CODES FOR VEHICLE/OBJECT CONTACTED

## VEHICLE/OBJECT GROUPS

- (00) NO OBJECT
- (01) - (39) PASSENGER VEHICLE & TRUCK
- (40) - (69) OTHER VEHICLE
- (70) - (76) PEDESTRIAN & ON-ROADWAY OBJECT
- (77) - (97) OFF-ROADWAY OBJECT
- (98) OTHER (DESCRIBE)
- (99) UNKNOWN

## PASSENGER VEHICLE

- (02) LARGE
- (03) LIMOUSINE
- (17) PICKUP
- (20) UNKNOWN PASSENGER VEHICLE BODY
- (24) SUB-MINI
- (25) MINI
- (26) SUB-COMPACT
- (27) COMPACT
- (28) INTERMEDIATE
- (29) FULL

SIZEWHEELBASE

SUB-MINI	< 2286 mm (< 90")
MINI	2286 - 2412 mm (90" - 94.9")
SUB-COMPACT	2413 - 2539 mm (95" - 99.9")
COMPACT	2540 - 2666 mm (100" - 104.9")
INTERMEDIATE	2667 - 2793 mm (105" - 109.9")
FULL	2794 - 2920 mm (110" - 114.9")
LARGE	2921 - 3174 mm (115" - 124.9")
LIMOUSINE	> 3175 mm (> 125")

## MULTIPURPOSE PASSENGER VEHICLE

- (11) SMALL VAN (MINI)
- (12) PICKUP
- (14) SMALL UTILITY (WHEELBASE LESS THAN 107", E.G. JEEP, BRONCO)
- (15) LARGE UTILITY (WHEELBASE MORE THAN 107", E.G. PANEL TRUCK, SUBURBAN)
- (16) PICKUP TRUCK WITH CANOPY/SHELL COVER
- (17) PICKUP CAR WITH CANOPY/SHELL COVER
- (21) MOTOR HOME
- (22) PICKUP TRUCK WITH SLIDE-IN CAMPER
- (23) PICKUP CAR WITH SLIDE-IN CAMPER
- (31) CHASSIS-MOUNTED CAMPER

## TRUCK

- (11) SMALL VAN (E.G. ECONOLINE)
- (12) PICKUP TRUCK
- (13) UNKNOWN LIGHT TRUCK
- (15) LARGE UTILITY (E.G. PANEL TRUCK, SUBURBAN)
- (16) PICKUP TRUCK WITH CANOPY/SHELL COVER
- (22) PICKUP TRUCK WITH SLIDE-IN CAMPER
- (30) UNKNOWN TRUCK TYPE
- (31) CHASSIS-MOUNTED CAMPER
- (33) DELIVERY VAN (WALK-IN)
- (34) STRAIGHT TRUCK
- (35) TRUCK-TRACTOR (BOBTAIL)
- (36) CHASSIS-CAB
- (37) UNKNOWN HEAVY TRUCK
- (38) TRACTOR & SEMI-TRAILER (SEMI)
- (39) TRUCK (OR SEMI) & FULL TRAILER(S)

## BUS

- (40) UNKNOWN BUS TYPE
- (41) SCHOOL BUS
- (42) INTERCITY BUS (BETWEEN CITIES)
- (43) TRANSIT BUS (INTRACITY)
- (44) STREETCAR (ON TRACKS)

## MOTORCYCLE

- (50) UNKNOWN MOTORCYCLE TYPE
- (51) 1 - 75 cc
- (52) 76 - 125 cc
- (53) 126 - 250 cc
- (54) 251 - 500 cc
- (55) 501 - 750 cc
- (56) 751 cc +
- (57) 3-WHEELS (OR WITH SIDECAR)

## SPECIAL PURPOSE VEHICLE

- (60) UNKNOWN/OTHER SPECIAL VEHICLE (DESCRIBE)
- (61) SNOWMOBILE
- (62) ATV (ALL TERRAIN VEHICLE)
- (63) AMPHIBIOUS VEHICLE
- (64) FARM VEHICLE
- (65) CONSTRUCTION VEHICLE
- (66) TRAILER, PRIVATE (CAMPER)
- (67) TRAILER, COMMERCIAL (CARGO)
- (68) TRAIN (CARS)
- (69) LOCOMOTIVE (ENGINE, SWITCHER)

## OBJECT

- (70) PEDESTRIAN
- (71) BICYCLIST, OTHER PEDALCYCLIST
- (72) PEDESTRIAN CONVEYANCE (E.G. PERSON RIDING ANIMAL, CART)
- (73) LARGE ANIMAL
- (74) FALLEN OBJECT (E.G. OBJECT DISLODGED FROM OTHER VEHICLE, FALLEN TREE, ROCKS)
- (75) ROCKS
- (76) CONSTRUCTION EQUIPMENT (EXCLUDING (65))
- (77) SIGN POST, UTILITY POLE, TREE
- (78) DITCH
- (79) EMBANKMENT, SNOWBANK, RR TRACKS RR X
- (80) GROUND (ROLLOVER ONLY)
- (81) CURB (DAMAGE PRODUCING IMPACTS ONLY)
- (82) CULVERT
- (83) FENCE
- (84) HYDRANT, SHORT POST, STUMP
- (85) SMALL POST/TREE, RURAL MAIL BOX, MILE MARKER, DELINEATOR
- (86) BUILDING
- (87) PIER, PILLAR, BRIDGE SUPPORT
- (88) ABUTMENT, RETAINING WALL
- (89) BRIDGE RAIL
- (90) GUARD RAIL, LEADING SECTION
- (91) GUARD RAIL, MIDDLE OR UNKNOWN
- (92) GUARD RAIL, TRAILING SECTION
- (93) GUARD POST (TIMBER, METAL, CONCRETE)
- (94) CABLE, FENCE BARRIER
- (95) CONCRETE BARRIER (MEDIAN)
- (96) IMPACT ATTENUATOR
- (97) BREAKAWAY FEATURES



Duplicate columns 1-8 from the previous card.	Module C 9	R 10	Format 0 11	1 12	<b>CRASH RECONSTRUCTION CR-1</b> for $\Delta V$	
	CASE VEHICLE PRIMARY IMPACT			CASE VEHICLE SECONDARY IMPACT		
	CASE VEHICLE	CONTACTED VEHICLE	CASE VEHICLE	CONTACTED VEHICLE		
EVENT NUMBER	1 13			47		
$\Delta V$ (km/h) TOTAL	<u>097</u> 14 15 16	<u>888</u> 32 33 34	48 49 50		66 67 68	
LONGITUDINAL*	- <u>097</u> 17 20	<u>8888</u> 35 38	51 ----- 54		69 ----- 72	
LATERAL*	+ <u>000</u> 21 24	<u>8888</u> 39 42	55 ----- 58		73 ----- 76	
<i>NOTE: THESE <math>\Delta V</math> COMPONENTS MUST INCLUDE SIGN.</i>						
<i>EXAMPLES: 10 km/h = +010 -7 km/h = -007</i>						
ENERGY DISSIPATED BY CRUSH (kJ)	<u>0600</u> 25 28	<u>8888</u> 43 46	59 ----- 62		77 ----- 80	
RECONSTRUCTION	<u>599717</u>					
(01) RECONSTRUCTED, UNKNOWN CONFIDENCE LEVEL	23 29 30			63 64		
(21) RECONSTRUCTED, LOW CONFIDENCE LEVEL						
(22) RECONSTRUCTED, MODERATE CONFIDENCE LEVEL						
(23) RECONSTRUCTED, HIGH CONFIDENCE LEVEL						
NOT RECONSTRUCTED BECAUSE						
(02) INSUFFICIENT DATA						
(03) EXCESSIVE UNDERRIDE/ OVERRIDE						
(04) ROLLOVER						
(05) VAULTING						
(06) OTHER TRAVEL IN MORE THAN ONE PLANE						
(07) NON-HORIZONTAL FORCE						
(08) SIDESWIPE-TYPE DAMAGE						
(09) YIELDING OBJECT						
(10) OTHER: _____						
(11) AT LEAST ONE VEHICLE BEYOND SCOPE						
(12) OTHER VEHICLE NOT INSPECTED						
MODE	<u>2</u> 31					
(1) CDC ONLY						
(2) CDC & DETAILED DAMAGE						
(3) TRAJECTORY & CDC						
(4) TRAJECTORY & CDC & DETAILED DAMAGE						
(5) NOT RECONSTRUCTED						
COMPUTER PROGRAM SPECIFY: <u>WINSMASH</u>				65		

Duplicate columns 1-8  
from the previous card.

Module C    R    Format 0    2  
9    10    11    12

CRASH RECONSTRUCTION    CR-2  
for EBS

	CASE VEHICLE PRIMARY IMPACT				CASE VEHICLE SECONDARY IMPACT			
	CASE VEHICLE	CONTACTED VEHICLE	CASE VEHICLE	CONTACTED VEHICLE				
EVENT NUMBER	1 13		— 47					
EBS (km/h) TOTAL	0 9 7 14 15 16	8 8 8 32 33 34	— 48 49 50	— 66 67 68				
LONGITUDINAL*	— 17 20	8 8 8 8 35 38	— 51 — 54	— 69 — 72				
LATERAL*	+ 0 0 0 21 24	8 8 8 8 39 42	— 55 — 58	— 73 — 76				
* NOTE: THESE EBS COMPONENTS MUST INCLUDE SIGN.								
EXAMPLES: 10 km/h = + 0 1 0 -7 km/h = - 0 0 7								
ENERGY DISSIPATED BY CRUSH (kj)	0 6 0 0 25 28	8 8 8 8 43 46	— 59 — 62	— 77 — 80				
RECONSTRUCTION	5 9 9 7 1 7 2 3 29 30		— 63 64					
(01) RECONSTRUCTED, UNKNOWN CONFIDENCE LEVEL								
(21) RECONSTRUCTED, LOW CONFIDENCE LEVEL								
(22) RECONSTRUCTED, MODERATE CONFIDENCE LEVEL								
(23) RECONSTRUCTED, HIGH CONFIDENCE LEVEL								
NOT RECONSTRUCTED BECAUSE								
(02) INSUFFICIENT DATA								
(03) EXCESSIVE UNDERRIDE/ OVERRIDE								
(04) ROLLOVER								
(05) VAULTING								
(06) OTHER TRAVEL IN MORE THAN ONE PLANE								
(07) NON-HORIZONTAL FORCE								
(08) SIDESWIPE-TYPE DAMAGE								
(09) YIELDING OBJECT								
(10) OTHER: _____								
(11) AT LEAST ONE VEHICLE BEYOND SCOPE								
(12) OTHER VEHICLE NOT INSPECTED								
MODE	2 31		— 65					
(1) CDC ONLY								
(2) CDC & DETAILED DAMAGE								
(3) TRAJECTORY & CDC								
(4) TRAJECTORY & CDC & DETAILED DAMAGE								
(5) NOT RECONSTRUCTED								
COMPUTER PROGRAM SPECIFY: <u>WINSMASH</u>								

Duplicate columns 1-8  
from the previous card.

Module C 9      R 10      Format 0 11      3 12

# CRASH RECONSTRUCTION CR-3

NOTES: 1. ENTER CRASH RECONSTRUCTION DAMAGE MEASUREMENTS IN CENTIMETERS.

2. MEASURE C<sub>1</sub> TO C<sub>6</sub> FROM DRIVER TO PASSENGER SIDE IN FRONT OR REAR IMPACTS, REAR TO FRONT IN SIDE IMPACTS.

3. D IS POSITIVE IF MEASURED TO A POINT FORWARD OF OR TO THE RIGHT OF THE CG.

4. USE THE CENTER OF THE WHEELBASE AS THE CG.

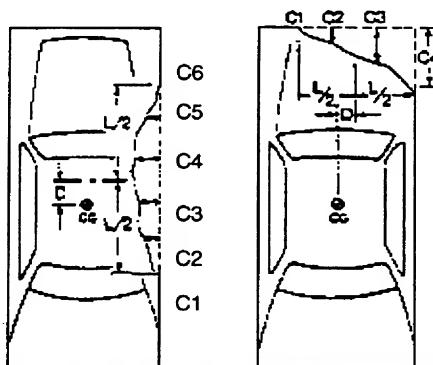
CASE VEHICLE

LOCATOR

Locate the end of the damage with respect to the vehicle longitudinal center line, or an undamaged axle for side impacts.

Specific Impact No.	Location of Direct Damage	Location of Field L
1	Begins @ front bumper corner	B.C. to B.C.

- PLANE:  
 (1) Bumper  
 (2) Above Bumper  
 (3) Sill  
 (4) Above Sill  
 (5) Other \_\_\_\_\_  
 (9) Unknown



DL \_\_\_\_\_

UDL \_\_\_\_\_

## CRUSH PROFILE IN CENTIMETERS

NOTE: Each line in the table below is a separate record (card).

Duplicate columns 1 - 12 for each completed line.

Specific Impact Number	Plane of Impact C-Measur.	Direct Damage		Field L	C <sub>1</sub>	C <sub>2</sub>	C <sub>3</sub>	C <sub>4</sub>	C <sub>5</sub>	C <sub>6</sub>	±D
		Length (DDL)	Max Crush								
1	1	160	C4	136	114	110	109	110	110	117	0
					-16	-4	-2	-2	-4	-16	
					98	106	107	108	106	101	
1	1	160	108	136	098	106	107	108	106	101	+000
13	14	15 16 17	18 19 20	21 22 23	24 25 26	27 28 29	30 31 32	33 34 35	36 37 38	39 40 41	42 43 44 45
2											

Duplicate columns 1-8  
from the previous card.

Module C    R    Format 0    4  
              9    10    11    12

# CRASH RECONSTRUCTION CR-4

NOTES: 1. ENTER CRASH RECONSTRUCTION DAMAGE MEASUREMENTS IN CENTIMETERS.

2. MEASURE  $C_1$  TO  $C_6$  FROM DRIVER TO PASSENGER SIDE IN FRONT OR REAR IMPACTS, REAR TO FRONT IN SIDE IMPACTS.

3. D IS POSITIVE IF MEASURED TO A POINT FORWARD OF OR TO THE RIGHT OF THE CG.

4. USE THE CENTER OF THE WHEELBASE AS THE CG.

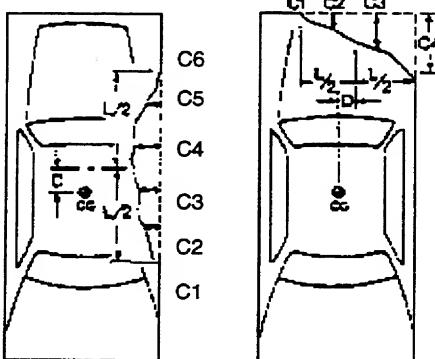
OTHER VEHICLE

LOCATOR

Locate the end of the damage with respect to the vehicle longitudinal center line, or an undamaged axle for side impacts.

Specific Impact No.	Location of Direct Damage	Location of Field L

N/A



PLANE:

- (1) Bumper
- (2) Above Bumper
- (3) Sill
- (4) Above Sill
- (5) Other \_\_\_\_\_
- (9) Unknown

## CRUSH PROFILE IN CENTIMETERS

NOTE: Each line in the table below is a separate record (card).

Duplicate columns 1 - 12 for each completed line.

Specific Impact Number	Plane of Impact C-Measur.	Direct Damage		Field L	C <sub>1</sub>	C <sub>2</sub>	C <sub>3</sub>	C <sub>4</sub>	C <sub>5</sub>	C <sub>6</sub>	±D	
		Length (DDL)	Max Crush									
1												
13	14	15 16 17	18 19 20	21 22 23	24 25 26	27 28 29	30 31 32	33 34 35	36 37 38	39 40 41	42 43 44 45	
2												

Duplicate columns 1-8  
from the previous card.

Module W  
9      T  
10      Format 0  
11      1  
12

## WHEELS AND TIRES

WT-1

### WHEELS--DAMAGED

- (0) NO  
(1) YES  
(9) UNKNOWN

LF      1  
13  
RF      1  
RR      1  
LR      1  
16

SIZE (NOT DOT CODE. IF UNKNOWN, USE 9'S)

LF P22560R16  
25  
RF P22560R16  
35  
RR P22560R16  
45  
LR P22560R16  
55

### TIRE TREAD TYPE

- (1) REGULAR  
(2) SNOW  
(3) SLICKS  
(4) ALL WEATHER (MS)  
(7) OTHER:  
(9) UNKNOWN

LF      4  
17  
RF      4  
RR      4  
LR      4  
20

### CARCASS CONSTRUCTION

- (1) BIAS  
(2) BELTED BIAS  
(3) RADIAL  
(4) ELLIPTICAL  
(5) HI PRESSURE SPARE  
(6) SPACE SAVER SPARE  
(7) OTHER:  
(9) UNKNOWN

LF      3  
21  
RF      3  
RR      3  
LR      3  
24

IF VEHICLE IS EQUIPPED WITH DUAL  
WHEELS, COMPLETE FOR OUTER WHEELS  
AND MAKE NOTES ON INNER WHEELS.

NOTES: \_\_\_\_\_

\_\_\_\_\_

Duplicate columns 1-8  
from the previous card.

Module F  
9      T  
10      Format 0  
11      1  
12

## FUEL AND FUEL TANKS FT-1

### TYPE OF PROPULSIVE FUEL

- (1) GASOLINE
- (2) DIESEL OIL
- (3) LPG
- (4) ELECTRIC
- (7) OTHER: \_\_\_\_\_
- (9) UNKNOWN

1  
13

### AUXILIARY TANK TYPE

- (1) OEM TANK
- (2) AFTER MARKET TANK
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

8  
21

### MAIN TANK LOCATION

322  
14      16

### AUXILIARY TANK LOCATION

888  
22      24

### MAIN FILLER CAP LOCATION

113  
17      19

### AUXILIARY FILLER CAP LOCATION

888  
25      27

### MAIN TANK MATERIAL

3  
20

### AUXILIARY TANK MATERIAL

8  
28

## TANK AND FILLER CAP LOCATION CODES

### FIRST DIGIT (LONGITUDINAL)

- (1) BEHIND KICK-UP
- (2) IN KICK-UP
- (3) BETWEEN KICK-UP & COWL
- (4) FORWARD OF COWL
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

### SECOND DIGIT (LATERAL)

- (1) LEFT OF FRAME
- (2) WITHIN FRAME OR CENTERED
- (3) RIGHT OF FRAME
- (4) DUAL, RIGHT & LEFT TANKS
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

### THIRD DIGIT (VERTICAL)

- (1) BELOW FRAME
- (2) WITHIN FRAME OR CENTERED
- (3) ABOVE FRAME
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

## TANK MATERIAL CODES

- (1) STEEL
- (2) ALUMINUM
- (3) PLASTIC
- (7) OTHER
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

Duplicate columns 1-8  
from the previous card.Module F 9 L 10 Format 0 11 1 12

## FUEL LEAKAGE FL-1

## DID FUEL LEAKAGE RESULT FROM A CRASH EVENT

- (0) NO KNOWN LEAKAGE SKIP PAGE.  
 (1) YES COMPLETE PAGE.

LEAK NUMBER	I LEAKING COMPONENT	II COMPONENT SOURCE	III TYPE OF DAMAGE	IV SEVERITY OF DAMAGE	V LOCATION OF LEAK	EVENT NUMBER
#1	— 14 15	—	—	—	—	21
#2	— 22 23	—	—	—	—	29
#3	— 30 31	—	—	—	—	37
#4	— 38 39	—	—	—	—	45
#5	— 46 47	—	—	—	—	53

## I LEAKING COMPONENT

## TANK AREA

- (11) MAIN FUEL TANK (INCLUDING VAPOR RECOVERY DOME)
- (12) AUXILIARY FUEL TANK
- (13) MAIN TANK FILLER TUBE
- (14) MAIN TANK CAP (GAS CAP)
- (15) AUXILIARY TANK FILLER TUBE
- (16) AUXILIARY TANK CAP (GAS CAP)
- (19) TANK AREA, DETAILS UNKNOWN

## DELIVERY SYSTEM

- (21) FUEL FEED LINE (MAIN TANK TO FUEL PUMP)
- (22) FUEL FEED LINE (AUXILIARY TANK TO FUEL PUMP)
- (23) FUEL RETURN LINE (FUEL PUMP TO TANK)
- (24) INLINE FUEL FILTER
- (25) FUEL LINE (PUMP TO CARBURETOR OR INJECTOR PUMP)
- (26) CARBURETOR TO INJECTOR PUMP
- (27) FUEL PUMP
- (29) DELIVERY SYSTEM, DETAILS UNKNOWN

## EVAPORATIVE EMISSION CONTROL SYSTEM

- (31) ATMOSPHERIC VENT PIPE (NON-EEC EQUIPPED)
- (32) EEC PIPE (VAPOR CANISTER TO CARBURETOR)

## EEC SYSTEM (CONTINUED)

- (33) VAPOR RECOVERY HOSES (CANISTER TO CARBURETOR)
- (34) LIQUID-VAPOR SEPARATOR (UNLESS PART OF TANK)
- (35) CANISTER
- (39) EEC SYSTEM, DETAILS UNKNOWN

- (49) ENGINE COMPARTMENT, COMPONENT UNKNOWN
- (99) COMPONENT UNKNOWN

## II COMPONENT SOURCE

- (1) OEM
- (2) AFTER MARKET
- (9) UNKNOWN

## III TYPE OF DAMAGE

- (1) DENTED/CRUSHED
- (2) PUNCTURED
- (3) Ruptured
- (4) SEVERED/GROSS TEARS
- (5) DISCONNECTED/DEFEATED
- (9) UNKNOWN

## IV SEVERITY OF DAMAGE

- (1) MINOR
- (2) MODERATE
- (3) SEVERE
- (4) DISCONNECTED/DEFEATED
- (9) UNKNOWN

## V LOCATION OF LEAK

- FIRST DIGIT (LONGITUDINAL LOCATION)
  - (1) F, FORWARD OF COWL
  - (2) P, BETWEEN COWL & REAR BULKHEAD
  - (3) B, BEHIND REAR BULKHEAD
  - (4) Y, F, & P
  - (5) Z, P, & B
  - (6) D, DISTRIBUTED (F, P & B)
  - (9) UNKNOWN

## SECOND DIGIT (LATERAL LOCATION)

- (1) L, LEFT
- (2) C, CENTER
- (3) R, RIGHT
- (4) Y, LEFT CENTER (L & C)
- (5) Z, RIGHT CENTER (R & C)
- (6) D, DISTRIBUTED (F, P & B)
- (9) UNKNOWN

Duplicate columns 1-8  
from the previous card.

Module F    R    Format O    1  
              9    10      11    12

FIRE    FR-1

WAS THERE FIRE IN OR ON CASE VEHICLE?

- (0) NO SKIP PAGE.  
(1) YES COMPLETE PAGE.

13

DID FIRE START IN CASE VEHICLE?

- (0) NO  
(1) YES  
(9) UNKNOWN

—  
14

SEVERITY OF FIRE DAMAGE

- (1) MINOR  
(2) MODERATE  
(3) SEVERE  
(9) UNKNOWN

—  
16

FLAME PROPOGATION RATE

- (1) RAPID/EXPLOSIVE  
(2) SLOW/MODERATE  
(9) UNKNOWN

—  
15

DID AN INJURY TO CASE  
VEHICLE OCCUPANT RESULT FROM  
FIRE IN OR ON CASE VEHICLE?

- (0) NO  
(1) YES  
(9) UNKNOWN

—  
17

*PROVIDE NOTES IF FIRE OCCURRED.*

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from the previous card.Module E D Format 0 1  
9 10 11 12

## EXTERIOR DAMAGE

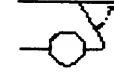
ED-1

HOOD PERFORMANCE			STEERING COL FLEXIBLE COUPLING		
FOR THE FOLLOWING, USE CODES:			FLEXIBLE COUPLING TYPE		
			(0) NONE (1) FLEXIBLE MATERIAL (2) POT (3) SINGLE U-JOINT (4) DOUBLE U-JOINT (5) FLEXIBLE CABLE (6) COMBINATION OF ABOVE (CIRCLE EACH) (7) OTHER: _____ (8) EQUIPPED, TYPE UNKNOWN (9) UNKNOWN, IF EQUIPPED		<u>9</u> 26
HOOD LATCH(ES)-	-RELEASED		13		
	-DAMAGED		14	COUPLING-	<u>9</u> 27
	-JAMMED		15	-DAMAGED	
HOOD HINGES-	-LEFT, DAMAGED		16	(USE CODES FROM HOOD PERFORMANCE)	<u>9</u> 28
	-LEFT, SEPARATED (COMPLETE)		17	-SEPARATED (COMPLETE)	
	-RIGHT, DAMAGED		18		
	-RIGHT, SEPARATED (COMPLETE)		19		
HOOD REMAINED ON VEHICLE			20	ENG COMPART TELESCOPING UNIT	
REAR EDGE OF HOOD-	-ELEVATED		21	TYPE OF UNIT	
	-CONTACTED WINDSHIELD		22	(00) NONE INSTALLED (01) - (07) SEE UNITS ON PAGE ED-2 (88) NOT COLLECTED (97) OTHER: _____ (98) EQUIPPED, TYPE UNKNOWN (99) UNKNOWN IF EQUIPPED	<u>8</u> <u>8</u> 29 30
	-PENETRATED WINDSHIELD		23	ORIGINAL LENGTH (mm)	
HOOD LATCH LOCATION			24	F (OR H): _____	
(1) FRONT OF VEHICLE (2) COWL AREA (3) SIDE (8) NOT APPLICABLE (9) UNKNOWN				TELESCOPED LENGTH (mm)	
				G: _____	
				DIFFERENCE (mm)	
				F (OR H) - G	
				(IF LESS THAN 15mm, ENTER "000".)	
ENGINE OR TRANSMISSION MOUNT	SEPARATION (COMPLETE)			(888) NOT COLLECTED (991) NOT MEASURED/NO COMPRESSION (992) COMPRESSED, AMOUNT UNKNOWN (993) DEVICE EXTENDED (997) UNABLE TO BE MEASURED (998) NOT APPLICABLE (NOT EQUIPPED) (999) UNKNOWN	<u>8</u> <u>8</u> <u>8</u> 31 33
	(0) NO (1) YES (9) UNKNOWN		25		

LEFT-SIDE BODY MOUNT		
DID BODY MOUNT SEPARATE?	8 34	LEFT DOORS
(0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN		HOW DID DOORS OPEN DURING COLLISION?
LEFT PILLARS		USE CODES:
PILLARS SEPARATED COMPLETELY -		(0) DOOR DID NOT OPEN OPENED BECAUSE OF
USE CODES:		(1) HINGE AREA SEPARATION (2) DOOR-LATCH SEPARATION (3) LATCH-STRIKER SEPARATION (4) STRIKER-PILLAR SEPARATION (5) BODY DISTORTION (6) COMBINATION OF ABOVE <i>(CIRCLE EACH)</i> (7) OPENED, REASON UNKNOWN
(0) NO (1) YES (4) NO SEPARATION, BUT DAMAGED (8) NOT APPLICABLE <i>(NOT EQUIPPED)</i> (9) UNKNOWN	4 35	(8) NOT APPLICABLE <i>(NO DOOR)</i> (9) UNKNOWN
-A-PILLAR, UPPER		-FRONT
LOWER	4 36	-REAR
-B-PILLAR, UPPER	1 37	
LOWER	0 38	DOORS JAMMED CLOSED-
-C-PILLAR, UPPER	0 39	USE CODES:
LOWER	0 40	(0) NO (1) YES (8) NOT APPLICABLE <i>(NO DOOR)</i> (9) UNKNOWN
-D-PILLAR, UPPER	8 41	-FRONT
LOWER	8 42	-REAR
		0 45
		0 46

## EXTERIOR DAMAGE

ED-3

<p><b>REAR DOOR</b></p> <p><b>REAR DOOR TYPE</b></p> <p>(0) NO DOOR (INCLUDES PICKUPS)  (1) HATCHBACK  (2) ONE-WAY TAILGATE  (3) TWO-WAY TAILGATE  (4) CLAMSHELL/DISAPPEARING TAILGATE  (5) SINGLE DOOR  (6) DOUBLE DOOR  (9) UNKNOWN</p> <p>Hatchback </p> <p>One-way  </p> <p>Two-way  or </p> <p>Clamshell </p> <p>Single door </p> <p>Double door </p> <p><b>HOW DID DOOR OPEN DURING COLLISION?</b></p> <p>(0) DOOR DID NOT OPEN  OPENED BECAUSE OF</p> <p>(1) HINGE AREA SEPARATION  (2) DOOR-LATCH SEPARATION  (3) LATCH-STRIKER SEPARATION  (4) STRIKER-PILLAR SEPARATION  (5) BODY DISTORTION  (6) COMBINATION OF ABOVE  (CIRCLE EACH)  (7) OPENED, REASON UNKNOWN  (8) NOT APPLICABLE (NO DOOR)  (9) UNKNOWN</p> <p>DOOR JAMMED CLOSED</p> <p>(0) NO  (1) YES  (8) NOT APPLICABLE (NO DOOR)  (9) UNKNOWN</p>	<p style="text-align: center;">47</p> <p style="text-align: center;">8</p> <p style="text-align: center;">48</p> <p style="text-align: center;">8</p>	<p><b>OTHER REAR DAMAGE</b></p> <p><b>WAS PARTITION TO LUGGAGE AREA DAMAGED DURING COLLISION?</b></p> <p>(0) NO  (1) YES  (8) NOT APPLICABLE  (9) UNKNOWN</p> <p><b>SPARE TIRE</b></p> <p>(0) NO SPARE TIRE  (1) NOT ATTACHED BEFORE COLLISION  (2) ATTACHED, NOT SEPARATED IN COLLISION  (3) ATTACHED, SEPARATED DUE TO COLLISION  (8) NOT COLLECTED  (9) UNKNOWN</p> <p><b>TRAILER HITCH TYPE</b></p> <p>(0) NO HITCH</p> <p><b>BALL-AND-SOCKET TYPES</b></p> <p>(1) TEMPORARY FRAMEWORK (E.G. RENTAL CLAMP-ON)  (2) BUMPER-MOUNT ONLY (E.G. LIGHT TRUCK)  (3) BUMPER-AND-FRAME (BUT NON-EQUALIZING)  (4) LOAD EQUALIZING</p> <p><b>OTHER TYPES</b></p> <p>(5) RING-AND-PINTLE  (6) FIFTH-WHEEL (INCL P/U)  (7) OTHER (E.G. CLEVIS-AND-PIN)</p> <p>(8) EQUIPPED, TYPE UNKNOWN  (9) UNKNOWN IF EQUIPPED</p> <p><b>TRAILER TYPE (AT TIME OF COLLISION)</b></p> <p>(0) NO TRAILER  (1) TRAVEL-TRAILER/CAMPER  (2) MOBILE HOME  (3) BOAT/SNOWMOBILE/ATV TRAILER  (4) UTILITY TRAILER  (5) TOWED CAR  (7) OTHER: _____  (8) TRAILER, TYPE UNKNOWN  (9) UNKNOWN</p>	<p style="text-align: center;">50</p> <p style="text-align: center;">8</p> <p style="text-align: center;">51</p> <p style="text-align: center;">52</p> <p style="text-align: center;">53</p>
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<b>RIGHT-SIDE BODY MOUNT</b>		<b>8</b> 54	<b>RIGHT DOORS</b>	
DID BODY MOUNT SEPARATE?			HOW DID DOORS OPEN DURING COLLISION?	
(0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN			<b>USE CODES:</b>	
PILLARS SEPARATED COMPLETELY -			(00) DOOR DID NOT OPEN  OPENED BECAUSE OF	
<b>USE CODES:</b>			(01) HINGE AREA SEPARATION (02) DOOR-LATCH SEPARATION (03) LATCH-STRIKER SEPARATION (04) STRIKER-PILLAR SEPARATION (05) BODY DISTORTION (06) COMBINATION OF ABOVE (CIRCLE EACH) (07) OPENED, REASON UNKNOWN (11) VAN RIGHT-REAR DOOR OPENED (ANY MECHANISM)	
-A-PILLAR, UPPER		<b>4</b> 55	(98) NOT APPLICABLE (NO DOOR) (99) UNKNOWN	
LOWER		<b>4</b> 56	-FRONT	
-B-PILLAR, UPPER		<b>Ø</b> 57	-REAR	
LOWER		<b>Ø</b> 58	<b>DOORS JAMMED CLOSED-</b>	
-C-PILLAR, UPPER		<b>Ø</b> 59	<b>USE CODES:</b>	
LOWER		<b>Ø</b> 60	(0) NO (1) YES (8) NOT APPLICABLE (NO DOOR) (9) UNKNOWN	
-D-PILLAR, UPPER		<b>8</b> 61	-FRONT	
LOWER		<b>8</b> 62	-REAR	
			<b>VAN REAR DOOR TYPE</b>	
			(0) VAN, NO REAR DOOR (1) TRACK (SLIDING) - RIGHT SIDE (2) SINGLE-HINGED - RIGHT SIDE (3) DOUBLE-HINGED - RIGHT SIDE (4) TRACK (SLIDING) - RIGHT & LEFT SIDE (5) SINGLE-HINGED - RIGHT & LEFT SIDE (6) DOUBLE-HINGED - RIGHT & LEFT SIDE (7) TRACK AND HINGED COMBINATION (8) NOT APPLICABLE (NOT A VAN) (9) UNKNOWN	
			<b>8</b> 69	

## WINDSHIELD DAMAGE

## WINDSHIELD CRACKED

- (0) NO  
 (1) YES  
 (8) NOT APPLICABLE  
 (9) UNKNOWN

WINDSHIELD BROKEN  
(PLASTIC INTERLAYER TORN)

- (0) NO  
 (1) YES  
 (8) NOT APPLICABLE  
 (9) UNKNOWN

CRACKED OR BROKEN  
BY OCCUPANT CONTACT

- (0) NO  
 (1) YES  
 (8) NOT APPLICABLE  
 (9) UNKNOWN

## EXTENT OF BOND SEPARATION

- (0) NONE  
 (1) 1 - 20%  
 (2) 21 - 40  
 (3) 41 - 60  
 (4) 61 - 80  
 (5) 81 - 99  
 (6) TOTAL  
 (7) SEPARATED, AMOUNT  
 UNKNOWN  
 (8) NOT APPLICABLE  
 (9) UNKNOWN

996

I

70

D

71

D

72

I

73

## WINDSHIELD MARK ON CASE VEHICLE:

## WINDSHIELD CODE

- (97) DESCRIBED BUT NOT CODED  
 (98) NOT APPLICABLE (NO WINDSHIELD)  
 (99) UNKNOWN

99

74 75

## ROOF

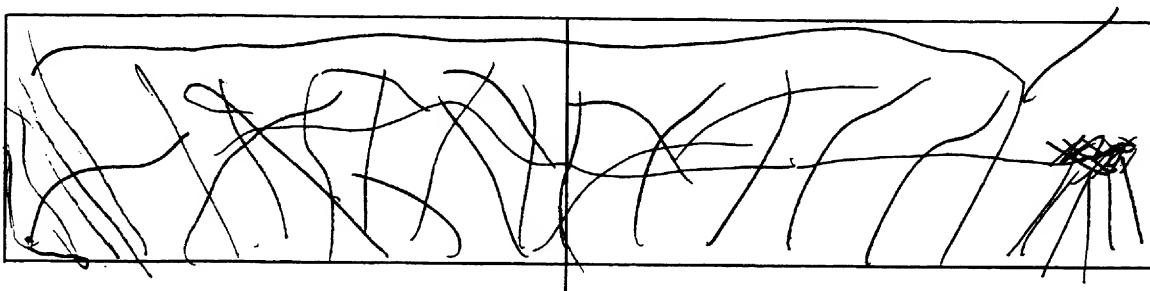
DID T-ROOF/SUN ROOF OPEN  
DURING COLLISION?

- (0) NO  
 (1) YES  
 (8) NOT APPLICABLE  
 (NOT A T-ROOF OR SUN ROOF)  
 (9) UNKNOWN

\*Glass shattered

D

76

LOCATE AREA OF WINDSHIELD INTEREST OR DAMAGE WITH DIMENSIONS (VERTICAL & HORIZONTAL) ON THIS DIAGRAM OF THE WINDSHIELD AS VIEWED FROM INSIDE.

L

C

R

Duplicate columns 1-8  
from the previous card.

Module S 9 C 10 Format 0 11 1 12

# STEERING WHEEL AND COLUMN SC-1

## STEERING WHEEL

### STEERING WHEEL RIM DAMAGE

- (0) NONE
- (1) DEFORMED SLIGHTLY
- (2) SEVERELY BENT
- (3) BROKEN
- (9) UNKNOWN

### NUMBER OF STEERING WHEEL SPOKES

- (9) UNKNOWN

### STEERING WHL SPOKE DAMAGE

- (0) NONE
- (1) DEFORMED SLIGHTLY
- (2) SEVERELY BENT
- (3) BROKEN
- (9) UNKNOWN

## STEERING COLUMN OPTIONS

### TIlt FEATURE

- (0) NOT EQUIPPED
- (1) YES, EQUIPPED, UNK POSITION
- (2) UP
- (3) MIDDLE
- (4) LOWER
- (9) UNKNOWN IF EQUIPPED

### SWING-AWAY FEATURE

- (0) NOT EQUIPPED
- (1) YES, EQUIPPED
- (9) UNKNOWN IF EQUIPPED

### TELESCOPING FEATURE

- (0) NOT EQUIPPED
- (1) YES, EQUIPPED
- (9) UNKNOWN IF EQUIPPED

2  
13

4  
14

2  
15

2  
16

1  
17

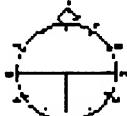
1  
18

### STEERING WHEEL POSITION AT TIME OF COLLISION

IN WHAT O'CLOCK POSITION WAS THE NORMAL TOP OF THE WHEEL POINTED WHEN THE COLLISION OCCURRED?

#### EXAMPLES

O'CLOCK = 1 2



O'CLOCK = 9 10



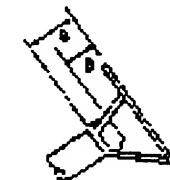
(99) UNKNOWN

### STEERING WHEEL ENERGY ABSORBING DEVICE

#### (1) EXAMPLES:



BARRACUDA, 70 - 74  
CHALLENGER, 70 - 74  
CAPRI, 71 - 77



#### (2) EXAMPLES:

OMNI, 78 -  
HORIZON, 78 -

### TYPE OF DEVICE

- (0) NONE
- (1) CONVOLUTED OR MESH CYLINDER
- (2) DEEP DISH STEERING WHEEL
- (7) OTHER: \_\_\_\_\_
- (8) NOT COLLECTED
- (9) UNKNOWN IF EQUIPPED

8  
19

### ORIGINAL DIMENSION (mm)

A: \_\_\_\_\_

### DAMAGE DIMENSION (mm)

B: \_\_\_\_\_

### DIFFERENCE (mm)

A - B

- (888) NOT COLLECTED
- (991) NOT MEASURED/NO APPARENT COMPRESSION
- (992) COMPRESSED, AMOUNT UNKNOWN
- (993) DEVICE EXTENDED
- (997) UNABLE TO MEASURE
- (998) NOT APPLICABLE (NOT EQUIPPED)
- (999) UNKNOWN

8 8 8  
20 22

## STEERING WHEEL AND COLUMN SC-2

STEERING COLUMN  
ENERGY ABSORBING DEVICE

## TYPE OF DEVICE \* (IF 27 OR 28)

- (00) NOT EQUIPPED
- (88) NOT COLLECTED
- (99) UNKNOWN

## ORIGINAL LENGTH (mm)

C: \_\_\_\_\_

## COMPRESSED LENGTH (mm)

D: \_\_\_\_\_

BRACKET DEFLECTION (IF CODE 36, 48,  
OR 49 ABOVE)

OR

## COMPRESSION (OR EXTRUSION) (mm)

C - D (OR E) (TOLERANCE:  $\pm 10$ )

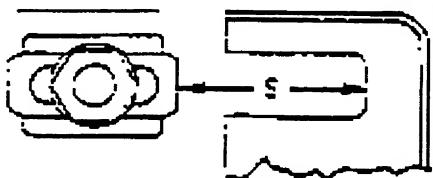
- (888) NOT COLLECTED
- (991) NOT MEASURED/NO APPARENT COMPRESSION
- (992) COMPRESSED, AMOUNT UNKNOWN
- (993) DEVICE EXTENDED
- (997) UNABLE TO BE MEASURED
- (998) NOT APPLICABLE (NOT EQUIPPED)
- (999) UNKNOWN

\* (ADD A &amp; B FOR TOTAL COMPRESSION)

## SHEAR CAPSULE SEPARATION (mm)

S (USE AVG. OF LEFT &amp; RIGHT CAPSULES.)

LT:



RT:

- (888) NOT COLLECTED
- (991) NOT MEASURED/NO APPARENT SEPARATION
- (992) SEPARATED, AMOUNT UNKNOWN
- (997) UNABLE TO BE MEASURED
- (998) NOT APPLICABLE (NOT EQUIPPED)
- (999) UNKNOWN

## COLUMN VERTICAL ROTATION

- (0) NO APPARENT ROTATION
- (1) UPWARD APPARENT ROTATION
- (2) DOWNWARD APPARENT ROTATION
- (9) UNKNOWN

## COLUMN LATERAL ROTATION

- (0) NO APPARENT ROTATION
- (1) LEFT APPARENT ROTATION
- (2) RIGHT APPARENT ROTATION
- (9) UNKNOWN

8	8
23	24

## STEERING WHEEL (CONTINUED)

## STEERING WHEEL HUB DAMAGE

- (0) NONE
- (1) OCCUPANT CONTACT
- (2) AIRBAG
- (3) OTHER \_\_\_\_\_
- (9) UNKNOWN

Φ  
33

8	8	8
25	27	

I  
31

Φ  
32

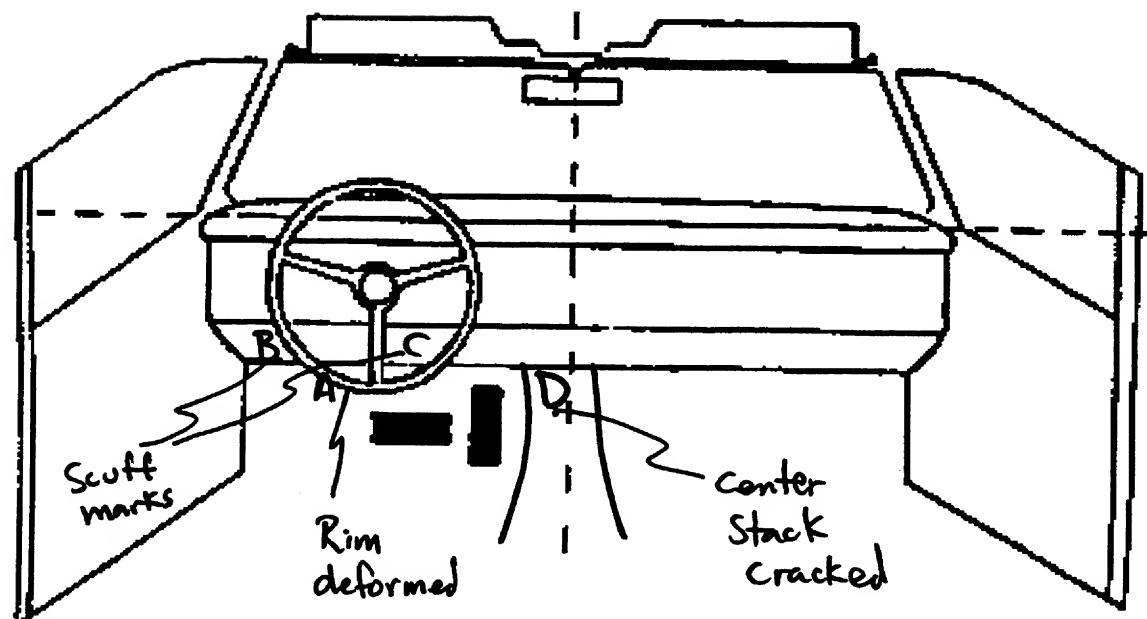
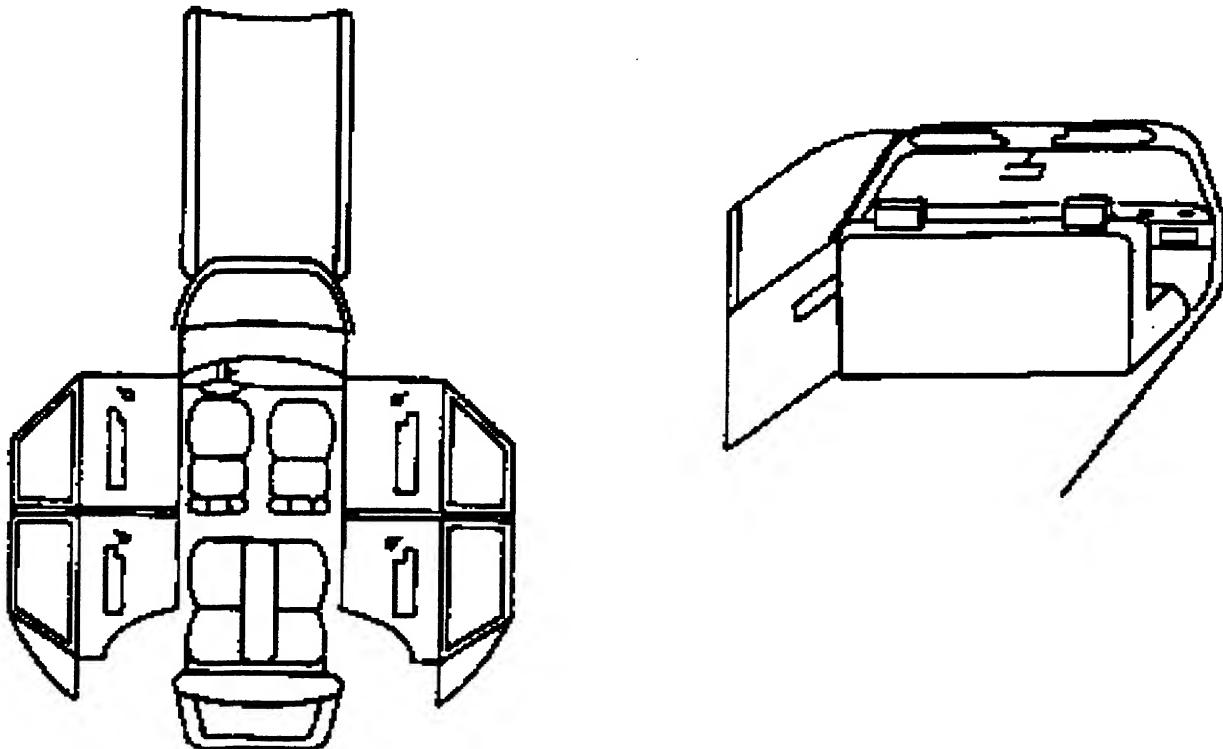


INTRUSION IT-1

## OCCUPANT CONTACT WORKSHEET

Contact	Interior Component Contacted	Occupant No. if Known	Body Region if Known	Supporting Physical Evidence	Confidence Level of Contact Point
A	SW rim		face/chest	rim deformed	
B	Knee bolster		Knee	Scuff marks	
C	Knee bolster		Knee	Scuff marks	
D	Ctr Stack		hip	cracked	
E					
F					
G					
H					
I					
J					

## VEHICLE OCCUPANT CONTACT DIAGRAM



## INTRUSION IT-3

## CODES FOR COLUMN B, OCCUPANT SPACE NUMBER

OCCUPANT SPACE NUMBER IS A TWO-DIGIT CODE. THE USE OF THE CODE IS DETERMINED BY THE VEHICLE SEAT CONFIGURATION AT THE TIME OF THE ACCIDENT.

## FIRST DIGIT

THE FIRST DIGIT (LEFT DIGIT) DENOTES THE SEAT ROW, WITH CODE VALUES FROM 1 TO 5.

## SECOND DIGIT

THE SECOND DIGIT (RIGHT DIGIT) DENOTES THE POSITION ON THE SEAT AND, IN SOME INSTANCES, THE WIDTH OF THE SEAT.

- |                          |                 |                 |                               |  |
|--------------------------|-----------------|-----------------|-------------------------------|--|
| (1) LEFT                 | (3) RIGHT       | INDIVIDUAL SEAT |                               |  |
| (1) LEFT                 | (2) CENTER      | (3) RIGHT       | BENCH: FULL WIDTH 3 PASSENGER |  |
| (1) LEFT                 | (2) LEFT CENTER | (6) RIGHT       | (3) RIGHT                     | BENCH: FULL WIDTH 4 PASSENGER          |
| (1) LEFT                 | (2) CENTER      | (5) RIGHT &     | AISLE SPACE                   | BENCH: PARTIAL WIDTH, LEFT AISLE SPACE |
| (0) LEFT & SPACE         | (2) CENTER      | (5) RIGHT &     | SPACE                         | BENCH: PARTIAL WIDTH, CENTERED         |
| (4) ENTIRE VEHICLE WIDTH |                 |                 |                               | CARGO AREA                             |

## EXAMPLES

THE TWO FIGURES BELOW PROVIDE EXAMPLES OF THE OCCUPANT SPACE NUMBER.

PASSENGER CAR  
5 PASSENGERS

X	X	11	13	
X	X	21	22	23

VAN  
12 PASSENGER CAPACITY

X	X	11	13		
X	X	21	22	25	
X	X	31	32	35	
X	X	41	42	46	43

## CODES FOR COLUMN F, MEASUREMENT AXIS

- (X) X-AXIS (FORE & AFT)
- (Y) Y-AXIS (LATERAL)
- (Z) Z-AXIS (VERTICAL)

## CODES FOR COLUMNS G, H, I &amp; J, OCCUPANT &amp; INJURY NUMBERS

OCCUPANT NUMBER	INJURY NUMBER	<u>CONTACT</u>
(00)	(00)	NO CONTACT
(##)	(00)	CONTACT, NO INJURY
(97)	(99)	CONTACT, OCCUPANT UNKNOWN, INJURY UNKNOWN
(99)	(00) OR (99)	UNKNOWN IF CONTACT



## CODES FOR COLUMN C, INTRUDING COMPONENT OR OBJECT

*NOTE: DO NOT CODE OBJECTS OTHER THAN COMPONENTS OF CASE VEHICLE.*

INDIVIDUAL COMPONENT	GROUPED FOR MASSIVE INTRUSION INTO AN OCCUPANT SPACE		
INTERNAL	<i>USE ONLY IF ALL THESE COMPONENTS INTRUDED INTO A SINGLE OCCUPANT SPACE.</i>		
(01) INSTRUMENT PANEL	(50) WINDSHIELD HEADER	(60) ROOF	
(02) FIRE WALL	A-PILLAR	ROOF RAIL	
(03) TOE PAN	ROOF SIDE RAIL	A-PILLAR	
(04) FLOOR PAN		B-PILLAR	
(05) STEERING COLUMN	(51) INSTRUMENT PANEL	C-PILLAR	
(06) WINDSHIELD	A-PILLAR	WINDOW FRAME	
(07) WINDSHIELD HEADER	DOOR PANEL	DOOR PANEL	
(08) A-PILLAR		FLOOR PAN	
(09) DOOR PANEL OR SIDE PANEL	(52) INSTRUMENT PANEL	(61) INSTRUMENT PANEL	
(10) WINDOW FRAME	A-PILLAR	TOE PAN	
(11) B-PILLAR	WINDSHIELD HEADER	WINDSHIELD HEADER	
(12) C-PILLAR		A-PILLAR	
(13) D-PILLAR	(53) DOOR PANEL	ROOF RAIL	
(14) ROOF SIDE RAILS	B-PILLAR	WINDOW FRAME	
(15) ROOF OR CONVERTIBLE TOP	ROOF RAIL	DOOR PANEL	
(16) BACKLIGHT HEADER		ROOF	
(17) FRONT SEAT-BACK SURFACE/ SEAT-BACK BACK SURFACE	(54) DOOR PANEL	(62) ROOF	
(18) SECOND SEAT-BACK SURFACE/ SEAT-BACK BACK SURFACE	A-PILLAR	ROOF RAIL	
(19) THIRD SEAT-BACK SURFACE/ SEAT-BACK BACK SURFACE	ROOF RAIL	C-PILLAR	
(20) FOURTH SEAT-BACK SURFACE/ SEAT-BACK BACK SURFACE	(55) INSTRUMENT PANEL	WINDOW FRAME	
(21) FIFTH SEAT-BACK SURFACE/ SEAT-BACK BACK SURFACE	FLOOR PAN	FLOOR PAN	
(22) BACK PANEL/BACK DOOR SURFACE	A-PILLAR	SECOND SEAT	
(23) SEAT CUSHION SURFACE/EDGE	DOOR FRAME	DOOR PANEL	
(24) CONSOLE	(56) ROOF RAIL	(63) ROOF RAIL	
(25) OTHER (DESCRIBE)	A-PILLAR	ROOF	
(26) UNKNOWN INTERNAL SURFACES	B-PILLAR	B-PILLAR	
(28) TRANSMISSION TUNNEL (HUMP)	WINDOW FRAME	WINDOW FRAME	
(29) SIDE FOOTWELL PANEL (KICKPANEL)	(57) ROOF RAIL	FLOOR PAN	
(30) SILL	A-PILLAR	DOOR PANEL	
EXTERNAL	B-PILLAR	SECOND SEAT	
(43) HOOD	C-PILLAR	FRONT SEAT	
(44) OBJECT EXTERNAL TO PASSENGER COMPARTMENT BUT PART OF CASE VEHICLE	DOOR PANEL	(64) ROOF RAIL	
(45) OUTSIDE SURFACE OF CASE VEHICLE	(58) ROOF	ROOF OR CONVERTIBLE TOP	
(46) OTHER (E.G. SPARE TIRE, JACK. DESCRIBE.)	ROOF RAIL	A-PILLAR	
(49) UNKNOWN EXTERNAL OBJECT	WINDOW FRAME	B-PILLAR	
	DOOR PANEL	WINDOW FRAME	
	(59) BACKLIGHT HEADER	WINDOW HEADER	
	ROOF		
	C-PILLAR	(65) WINDSHIELD	
	THIRD SEAT-BACK	WINDSHIELD HEADER	
		ROOF SIDE RAIL	
	(66) WINDSHIELD	(66) WINDSHIELD	
	WINDSHIELD HEADER	WINDSHIELD HEADER	
	A-PILLAR	A-PILLAR	
	(98) NOT APPLICABLE		
	(99) UNKNOWN		

Duplicate columns 1-8  
from the previous card.

Module   I     T     Format   0     1    
              9     10         11     12

INTRUSION IT-5

WAS THERE OCCUPANT COMPARTMENT INTRUSION?

13

WAS INTRUSION CATASTROPHIC?     1    

14

- (0) NO DO NOT ANSWER NEXT QUESTION. SKIP PAGE.  
(1) YES ANSWER NEXT QUESTION.  
(9) UNKNOWN SKIP PAGE.

- (0) NO COMPLETE PAGE.  
(1) YES SKIP PAGE.

Duplicate columns 1-8   Module   I     T     Format   0     2    
from the previous card.

NOTE: Each line in the table below is a separate record (card). Duplicate columns 1 - 12 for each completed line.

**INTRUSIONS CODE INTRUSIONS IN THIS ORDER: LEFT TO RIGHT ON ROW; FRONT TO BACK IN VEHICLES.**

**CODES FOR B, F, G, H, I, J ON PAGE IT-3**

**CODES FOR C ON PAGE IT-4**

**OCCUPANT CONTACT AND INJURY**

A INTRUSION NUMBER	B OCC. SPACE NO.	C COMPONENT OR OBJECT	D ASSOC. EVENT NO.	E INTRUDING MAXIMUM INTRUSION X AXIS (cm)	F MAXIMUM INTRUSION Y AXIS (cm)	G MAXIMUM INTRUSION Z AXIS (cm)	H OCCUPANT NUMBER	I INJURY NUMBER	J OCCUPANT NUMBER	K INJURY NUMBER
13-14	15-16	17-18	19	20-21	22-23	24-25	26-27	28-29	30-31	32-33
0_1	11	03	1	40	00	00	01	24	01	25
0_2	11	03	1	20	00	00	00	00	00	00
0_3	11	01	1	10	00	00	01	18	01	19
0_4	11	05	1	06	00	00	01	03	01	04
0_5	12	01	1	12	00	00	00	00	00	00
0_6	13	01	1	15	00	00	00	00	00	00
0_7	—	—	—	—	—	—	—	—	—	—

NOTE: USE ADDITIONAL PAGE IF MORE THAN 7 INTRUSIONS.

Duplicate columns 1-8  
from the previous card.

Module   I     T     Format   0     3    
              9     10         11     12

NOTE: IF NO SIDE DOOR INTRUSION,  
SKIP REMAINDER OF PAGE.

**SIDE DOOR INTRUSION  
RESULTED FROM**

INTRUSION  
NUMBER

CAUSE  
CODES  
FOR CAUSE:

—

- 15      (1) DIRECT  
IMPACT  
18      (2) INDUCED  
DAMAGE  
21      (9) UNKNOWN

**IF DAMAGE TO DOOR COMPONENT RESULTED IN INCREASED  
DOOR INTRUSION, CODE COMPONENT**

INTRUSION  
NUMBER

DAMAGED  
COMPONENT 1

DAMAGED  
COMPONENT 2

**CODES  
FOR COMPONENTS**

A    —  
22   23

—  
25

- (0) NONE  
(1) A-PILLAR  
(2) B-PILLAR  
(3) C-PILLAR  
(4) LATCH/STRIKER  
(5) HINGES  
(7) OTHER: \_\_\_\_\_

B    —  
26   27

—  
29

- (8) NOT APPLICABLE  
(9) UNKNOWN

C    —  
30   31

—  
33

D    —  
34   35

—  
37

Duplicate columns 1-8  
from the previous card.

Module I T Format 0 2  
9 10 11 12

INTRUSION IT-6

NOTE: Each line in the table below is a separate record (card).  
Duplicate columns 1 - 12 for each completed line.

- ADDITIONAL PAGE -

**INTRUSIONS CODE INTRUSIONS IN THIS ORDER: LEFT TO RIGHT ON ROW; FRONT TO BACK IN VEHICLES.**

**CODES FOR B, F, G, H, I, J ON PAGE IT-3**

**CODES FOR C ON PAGE IT-4**

**OCCUPANT CONTACT AND INJURY**

A INTRUSION NUMBER	B OCC. SPACE NO.	C INTRUDING COMPONENT OR OBJECT	D ASSOC. EVENT NO.	E MAXIMUM INTRUSION INTRUSION X AXIS (cm)	F MAXIMUM INTRUSION INTRUSION Y AXIS (cm)	G MAXIMUM INTRUSION INTRUSION Z AXIS (cm)	H OCCUPANT NUMBER	I INJURY NUMBER	J OCCUPANT NUMBER	K INJURY NUMBER
13-14	15-16	17-18	19	20-21	22-23	24-25	26-27	28-29	30-31	32-33
<u>0</u> <u>8</u>	—	—	—	—	—	—	—	—	—	—
<u>0</u> <u>9</u>	—	—	—	—	—	—	—	—	—	—
<u>1</u> <u>0</u>	—	—	—	—	—	—	—	—	—	—
<u>1</u> <u>1</u>	—	—	—	—	—	—	—	—	—	—
<u>1</u> <u>2</u>	—	—	—	—	—	—	—	—	—	—
<u>1</u> <u>3</u>	—	—	—	—	—	—	—	—	—	—
<u>1</u> <u>4</u>	—	—	—	—	—	—	—	—	—	—
<u>1</u> <u>5</u>	—	—	—	—	—	—	—	—	—	—
<u>1</u> <u>6</u>	—	—	—	—	—	—	—	—	—	—
<u>1</u> <u>7</u>	—	—	—	—	—	—	—	—	—	—
<u>1</u> <u>8</u>	—	—	—	—	—	—	—	—	—	—
<u>1</u> <u>9</u>	—	—	—	—	—	—	—	—	—	—
<u>2</u> <u>0</u>	—	—	—	—	—	—	—	—	—	—
<u>2</u> <u>1</u>	—	—	—	—	—	—	—	—	—	—
<u>2</u> <u>2</u>	—	—	—	—	—	—	—	—	—	—
<u>2</u> <u>3</u>	—	—	—	—	—	—	—	—	—	—
<u>2</u> <u>4</u>	—	—	—	—	—	—	—	—	—	—
<u>2</u> <u>5</u>	—	—	—	—	—	—	—	—	—	—

## CODES:

- (0) NO  
 (1) YES  
 (3) NO, and OCCUPANT CONTACT

- (4) YES, and OCCUPANT CONTACT  
 (8) NOT APPLICABLE  
 (9) UNKNOWN

SIDES	LEFT	RIGHT	FRONT		INSTRUMENT PANEL	
FRONT DOOR	1 13	1 14	FOOT CONTROLS	4 45	UPPER PANEL	1 55
FRONT HARDWARE	0 15	0 16	IGNITION KEYS	0 46	MID PANEL	1 56
FRONT ARMREST	1 17	0 18	REAR VIEW MIRROR	1 47	LOWER PANEL	4 57
FRONT GLASS	1 19	0 20	SUNVISOR/FITTINGS	0 48	ASHTRAY	1 58
REAR DOOR AREA	0 21	0 22	(5) LEFT SIDE ONLY (6) RIGHT SIDE ONLY (7) BOTH SIDES		CONTROL KNOBS & LEVERS	1 59
REAR HARDWARE	0 23	0 24	WINDSHIELD TOP MOLDINGS	0 49	GLOVE COMPARTMENT AREA	1 60
REAR ARMREST	0 25	0 26	LEFT A-PILLAR (UPPER OR LOWER)	0 50	INSTRUMENTS	0 61
REAR GLASS	0 27	0 28	RIGHT A-PILLAR (UPPER OR LOWER)	1 51	PARKING BRAKE RELEASE	1 62
ROOF SIDE RAIL	0 29	0 30	CENTER CONSOLE	4 52	PARKING BRAKE PEDAL	0 63
B-PILLAR	0 31	0 32	TRANSMISSION SELECTOR LEVER	1 53	A/C OR UPPER VENT OUTLETS	1 64
C-PILLAR	0 33	0 34	RIM, HORN, SPOKE	4 54	HEATER OR A/C DUCTS	1 65
D-PILLAR	8 35	8 36			RADIO	1 66
HEADLINING	0 37	0 38			OTHER: * _____	8 67
- ROOF STRUCTURE	0 39	0 40				
T-ROOF/SUN ROOF	1 41	1 42				
OTHER: *	8 43	8 44				
					REAR	0 68
					WINDOW	0 69
					WINDOW HEADER	
					CONSOLES	8 70
					VERTICAL	
					ROOF	0 71

\* MORE THAN ONE ITEM MAY BE NOTED.

SEATS				ST-1
Duplicate columns 1-8 from the previous card.	Module S 9	T 10	Format 0 11	2 12
<b>FRONT SEAT</b>				
<b>TYPE OF FRONT SEAT</b>	DRIVER <u>OS</u> 13 14	PASSENR <u>OS</u> 15 16	<b>FRONT SEAT-BACK</b>	
(00) NO SEAT (01) STANDARD BENCH (02) SPLIT BACK, 50-50 (03) SPLIT BACK, DRIVER WIDE (04) SPLIT BACK, PASS. WIDE (05) BUCKET (06) CAPTAIN'S CHAIR (07) INDIV. BENCH, 50-50 (08) INDIV. BENCH, DRIVER WIDE (09) INDIV. BENCH, PASS. WIDE (97) OTHER: _____ (99) UNKNOWN			<b>SEAT-BACK TYPE</b>	DRIVER <u>3</u> 30
<b>TYPE OF SEAT MOUNT</b>	<u>1</u> 17	<u>1</u> 18	(1) FORWARD FOLDING (2) RIGID (3) RECLINING (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN	PASSENR <u>3</u> 31
<b>SWIVEL MECHANISM EQUIPPED</b>	<u>0</u> 19	<u>0</u> 20	<b>SEAT-BACK LOCK TYPE</b>	<u>3</u> 32
(0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN			(0) NONE (1) MANUAL (2) INERTIA (3) POWER (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN	PASSENR <u>3</u> 33
<b>ORIGINAL EQUIPMENT SEATS</b>	<u>1</u> 21	<u>1</u> 22	<b>LOCKS HELD</b>	<u>1</u> 34
(0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN			(0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN	PASSENR <u>1</u> 35
<b>CONTACT OF SEAT BY REAR OCCUPANT</b>	<u>8</u> 23	<u>8</u> 24	<b>RECLINER MECHANISM HELD</b>	<u>1</u> 36
(0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN			(0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN	PASSENR <u>1</u> 37
<b>FRONT SEAT DAMAGE</b>	<u>3</u> 25	<u>3</u> 26	<b>HEAD RESTRAINT</b>	
(0) NONE (1) BACKREST ONLY DAMAGED (2) CUSHION ONLY DAMAGED (3) BACKREST & CUSHION DAMAGED # occupant (8) NOT APPLICABLE contact and floor pan buckling (9) UNKNOWN *** floor pan buckling			<b>HEAD RESTRAINT TYPE</b>	<u>1</u> 38
<b>CENTER ARMREST DAMAGED</b>	<u>0</u> 27		(0) NONE (1) ADJUSTABLE (2) INTEGRAL (3) NOT INTEGRAL, BUT CANNOT BE REMOVED (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN	PASSENR <u>1</u> 39
(0) NO (1) YES (7) EQUIPPED, DAMAGE UNKNOWN (8) NOT APPLICABLE (NO CENTER ARMREST) (9) UNKNOWN IF EQUIPPED			<b>REMOVED PRE-CRASH</b>	<u>0</u> 40
<b>FRONT SEAT ROTATION</b>	<u>0</u> 28	<u>0</u> 29	(0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN	PASSENR <u>0</u> 41
(0) NONE APPARENT (1) FORWARD APPARENT (2) REARWARD APPARENT (3) LEFT APPARENT (4) RIGHT APPARENT (5) MULTIPLE ROTATIONS SPECIFY _____ (8) NOT APPLICABLE (9) UNKNOWN			<b>ADJUSTMENT AT CRASH</b>	<u>2</u> 42
			(1) UP (2) DOWN (8) NOT APPLICABLE (9) UNKNOWN	PASSENR <u>2</u> 43
			<b>HEAD RESTRAINT DAMAGE</b>	<u>0</u> 44
			(0) NONE (1) DAMAGED BUT NOT SEPARATED (2) SEPARATED (8) NOT APPLICABLE (9) UNKNOWN	PASSENR <u>0</u> 45

FRONT SEAT ADJUSTMENT SEAT ADJUSTMENT TYPE  (0) NONE (RIGID) (1) MANUAL (2) POWER (7) OTHER: _____ (8) NOT APPLICABLE (NO SEAT) (9) UNKNOWN	DRIVER  <u>2</u> 46	PASSENGER  <u>1</u> 47	SECOND SEAT (CONT.)  CENTER ARMREST DAMAGED  (0) NO (1) YES (7) EQUIPPED, DAMAGE UNKNOWN (8) NOT APPLICABLE (NO CENTER ARMREST) (9) UNKNOWN IF EQUIPPED	<u>0</u> 60
ADJUSTMENT PROVIDED  (1) 2-WAY (2) 4-WAY (3) 6-WAY (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN	<u>2</u> 48	<u>2</u> 49	SECOND SEAT-BACK  LOCKS  FOR THE FOLLOWING, USE:  (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN	LEFT  <u>8</u> 61
SEAT ADJUSTER DAMAGE  (0) NONE (1) CHUCKING (FREE PLAY) (2) DEFORMED (RELEASED/JAMMED) (3) SEPARATED (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN	<u>2</u> 50	<u>2</u> 51	LEFT OR CENTER, EQUIPPED  LEFT OR CENTER, HELD  RIGHT, EQUIPPED  RIGHT, HELD  (3) SEAT FOLDED DOWN	<u>8</u> 62 <u>8</u> 63 <u>8</u> 64 <u>8</u> 65 <u>8</u> 66 <u>8</u> 67
SEAT ADJUSTER SEPARATION  (0) NONE (1) SEPARATED AT FLOOR (2) SEPARATION OF ADJUSTER (3) SEPARATED AT SEAT (8) NOT APPLICABLE (9) UNKNOWN	<u>0</u> 52	<u>0</u> 53	THIRD SEAT  EQUIPPED  BACKREST DAMAGED  CUSHION DAMAGED	<u>0</u> 70 <u>8</u> 71 <u>8</u> 72 <u>8</u> 73
PRE-CRASH POSITION  (1) FORWARD (2) MIDDLE (3) REARWARD (8) NOT APPLICABLE (9) UNKNOWN  <i>both mid to rear</i>	<u>3</u> 54	<u>3</u> 55	VEHICLE EQUIPPED WITH REAR HEAD RESTRAINTS  (0) NOT EQUIPPED (1) EQUIPPED (2) EQUIPPED & DAMAGED (8) NOT APPLICABLE (NO REAR SEAT) (9) UNKNOWN  <i>Integral</i>	<u>1</u> 75
SECOND SEAT TYPE OF SECOND SEAT  (0) NONE (1) NON-FOLDING (2) FOLDING (3) CAPTAIN'S CHAIR (4) JUMP SEAT (5) INTEGRAL CHILD SEAT (6) LUGGAGE AREA ACCESS PANEL (9) UNKNOWN	LEFT  <u>1</u> 56	RIGHT  <u>1</u> 57	Applies to any rear-seat position	<u>0</u> 70 <u>8</u> 71 <u>8</u> 72 <u>8</u> 73
SECOND SEAT DAMAGE  (0) NONE (1) BACKREST ONLY (DAMAGED OR LOOSENERED) (2) CUSHION ONLY (DAMAGED OR LOOSENERED) (3) BACKREST & CUSHION (DAMAGED OR LOOSENERED) (4) INTEGRAL CHILD SEAT (PRIORITY CODE) (5) LUGGAGE AREA ACCESS PANEL (DAMAGED OR LOOSENERED) (8) NOT APPLICABLE (9) UNKNOWN	<u>0</u> 58	<u>0</u> 59	(0) NOT EQUIPPED (1) EQUIPPED (2) EQUIPPED & DAMAGED (8) NOT APPLICABLE (NO REAR SEAT) (9) UNKNOWN	<u>1</u> 75

Duplicate columns 1-8  
from the previous card.

Module A 9    B 10    Format 0 11    1 12

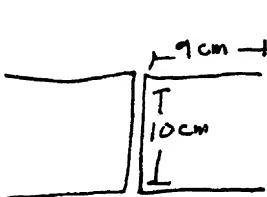
AIRBAG AB-1

DRIVER SIDE			PASSENGER SIDE	
<b>LOCATION OF AIRBAG</b>			<b>LOCATION OF AIRBAG</b>	
<b>STEERING WHEEL</b>			<b>INSTRUMENT PANEL (GLOVE BOX)</b>	
EQUIPPED			EQUIPPED	
(0) NO (1) YES (4) PRIOR DEPLOYMENT NOT REINSTALLED (9) UNKNOWN IF AIRBAG EQUIPPED		13	(0) NO (1) YES (4) PRIOR DEPLOYMENT NOT REINSTALLED (9) UNKNOWN IF AIRBAG EQUIPPED	16
DEPLOYED			DEPLOYED	
(0) NO (1) YES (2) PARTIAL/IMPROPER DEPLOYMENT (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN		14	(0) NO (1) YES (2) PARTIAL/IMPROPER DEPLOYMENT (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN	17

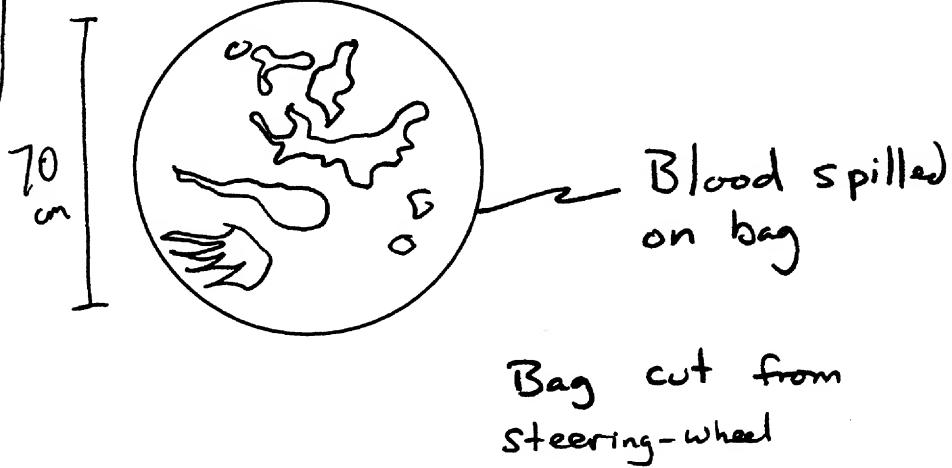
CONDITION OF AIRBAG		<i>Cut out of steering wheel</i>	CONDITION OF AIRBAG	
<b>STEERING WHEEL</b>			<b>INSTRUMENT PANEL (GLOVE BOX)</b>	
(0) NO DAMAGE (2) SPLIT OR TORN (3) CUT DURING CRASH (4) BURNED/MELTED (5) CUT POST CRASH (6) OTHER _____ (7) DAMAGED, CONDITION UNKNOWN (8) NOT APPLICABLE (NOT EQUIPPED/NOT DEPLOYED) (9) UNKNOWN IF EQUIPPED OR CONDITION		(0) NO DAMAGE (2) SPLIT OR TORN (3) CUT DURING CRASH (4) BURNED/MELTED (5) CUT POST CRASH (6) OTHER _____ (7) DAMAGED, CONDITION UNKNOWN (8) NOT APPLICABLE (NOT EQUIPPED/NOT DEPLOYED) (9) UNKNOWN IF EQUIPPED OR CONDITION	18	

DRIVER SIDE			PASSENGER SIDE	
<b>AIRBAG</b>			<b>AIRBAG</b>	
<b>STEERING WHEEL</b>			<b>INSTRUMENT PANEL (GLOVE BOX)</b>	
TETHER			TETHER	
(0) NO (1) YES (6) OTHER _____ (7) UNKNOWN IF TETHERED (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN IF AIRBAG EQUIPPED		19	(0) NO (1) YES (6) OTHER _____ (7) UNKNOWN IF TETHERED (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN IF AIRBAG EQUIPPED	21
MARKED BY CONTACT			MARKED BY CONTACT	
(0) NO (1) YES (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN		20	(0) NO (1) YES (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN	22

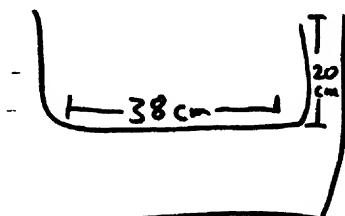
## AIRBAG NUMBER ON DRIVER SIDE:



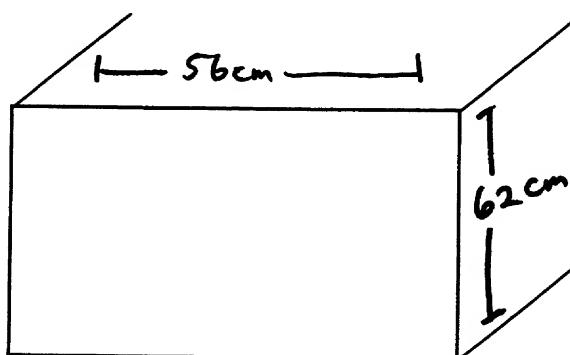
NOTE AND DESCRIBE ANY AIRBAG CONTACT OR  
DAMAGE ON DIAGRAM BELOW:



## AIRBAG NUMBER ON PASSENGER SIDE:



NOTE AND DESCRIBE ANY AIRBAG CONTACT OR  
DAMAGE ON DIAGRAM BELOW:



NOTE TO THE INVESTIGATOR:

THE FOLLOWING TWO SECTIONS,  
OCCUPANT INFORMATION AND INJURY CLASSIFICATION,  
ARE TO BE FILLED IN  
FOR EACH CASE VEHICLE OCCUPANT,  
WHETHER INJURED OR NOT.

IF THERE IS MORE THAN ONE OCCUPANT,  
USE ADDITIONAL COPIES  
OF PAGES OC-1, OC-2, OC-3,  
AND IC-2 TO DESCRIBE THEM  
AND ATTACH THE COPIES TO THIS REPORT.

Duplicate columns 1-8  
from the previous card.

Module O 9 C 10 Format 0 11 2 12

## OCCUPANT INFORMATION OC-1

OCCUPANT IDENTIFICATION		10 13 14 15	PHYSICAL DESCRIPTION	
OCCUPANT NUMBER	ROLE OF OCCUPANT AT 1ST IMPACT		AGE IN YEARS (00) LESS THAN 1 YEAR (98) 98 YEARS OR OLDER (99) UNKNOWN	40 20 21 25 22 23
(1) MOTOR VEHICLE DRIVER (2) MOTOR VEHICLE PASSENGER (NOT DRIVER) (9) UNKNOWN		AGE IN MONTHS (00) LESS THAN 1 MONTH (25) 25 MONTHS OR OLDER (99) UNKNOWN	25 22 23	
OCCUPANT POSITION		MASS (kg) (999) UNKNOWN	096 24 25 26	
ROW LOCATION		HEIGHT (cm) (999) UNKNOWN	183 27 28 29	
(1) FRONT (2) SECOND (3) THIRD (4) FOURTH (7) OTHER: (8) EXTERNAL TO PASSENGER COMPARTMENT (E.G. BED OF PICKUP) (9) UNKNOWN		SEX (1) MALE (2) FEMALE (9) UNKNOWN	1 30	
LATERAL LOCATION		MEDICAL CONDITIONS		
(1) LEFT (2) LEFT CENTER (3) CENTER (4) RIGHT CENTER (5) RIGHT (6) ALL (LYING ON SEAT) (8) EXTERNAL TO PASSENGER COMPARTMENT (9) UNKNOWN		TREATMENT/MORTALITY (00) NONE (01) FIRST AID AT SCENE (02) TREATED AT HOSPITAL/CLINIC BUT NOT ADMITTED (03) HOSPITALIZED FOR OBSERVATION LESS THAN 24 HOURS (04) HOSPITALIZED OVER 24 HOURS OR FOR SIGNIFICANT TREATMENT (05) FATAL, DEAD AT SCENE (06) FATAL, DOA (07) FATAL, DEAD WITHIN 24 HOURS (08) FATAL, DEAD 24 HOURS TO 31 DAYS LATER (09) FATAL, DEAD 31 DAYS TO 1 YEAR LATER (10) FATAL DEAD WITHIN UNKNOWN PERIOD (99) UNKNOWN	04 31 32	
POSTURE		INJURY SEVERITY SCORE (ISS) (99) UNKNOWN	27 33 34	
(10) SITTING ON SEAT (11) SITTING ON SEAT IN ABNORMAL POSITION (E.G. FEET ON DASH, SIDeways) (12) SITTING ON CONSOLE (20) ON LAP OR IN ARMS (30) STANDING ON SEAT (40) STANDING ON FLOOR (47) STANDING, EXTERNAL TO PASSENGER COMPARTMENT (50) IN BASSINET (60) IN CHILD SEAT (65) IN CHILD HARNESS (70) LYING ON SEAT (80) LYING/SITTING ON PASSENGER FLOOR (83) LYING/SITTING ON OTHER OBJECT IN PASSENGER COMPARTMENT: (85) ON CARGO FLOOR/FOLDED SEAT-BACK (87) LYING/SITTING, EXTERNAL TO PASSENGER COMPARTMENT (97) OTHER: (99) UNKNOWN		NON-IMPACT MED. CONDITIONS (0) NONE (1) YES, TIME & TYPE UNKNOWN (2) PRE-CRASH FATAL (CLINICAL DEATH AT WHEEL) (3) PRE-CRASH NON-FATAL (E.G. PRIOR INJURY, STROKE) (4) PREGNANT (5) POST-CRASH FATAL (DROWNING) (6) POST-CRASH NON-FATAL INJURY (7) OTHER: Depression & anxiety disorder (8) COMBINATION OF ABOVE (9) UNKNOWN	7 35	

## OCCUPANT INFORMATION OC-2

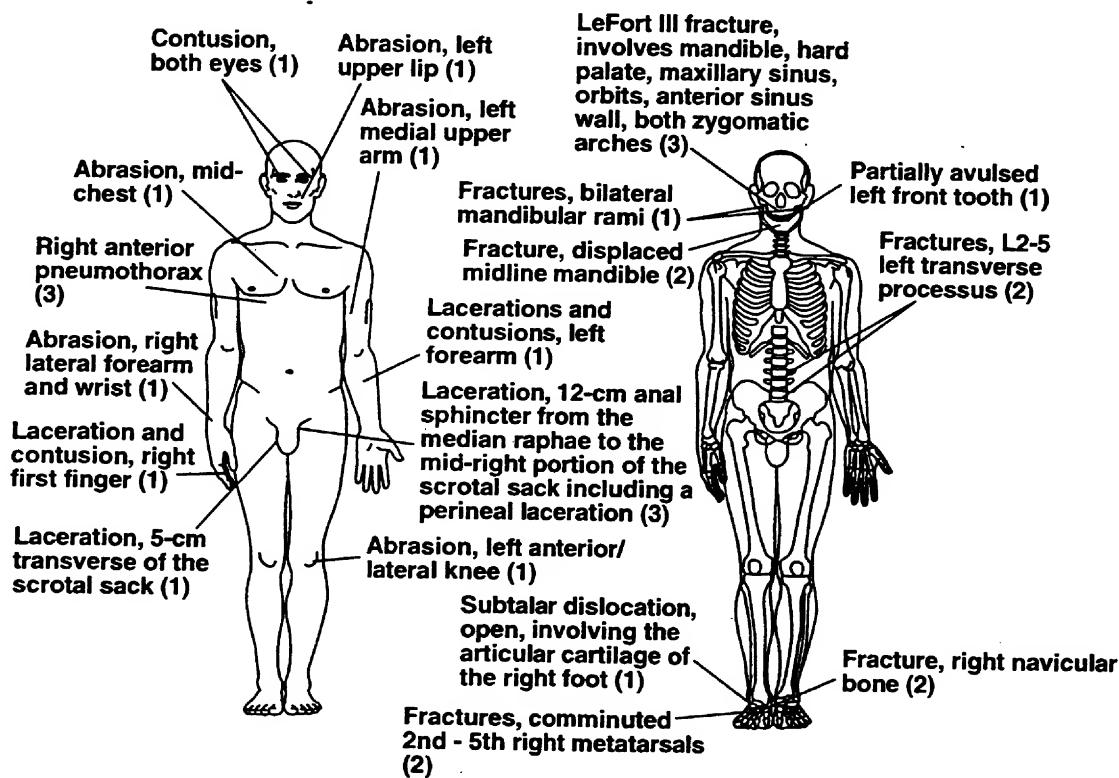
<p><b>MEDICAL CONDITIONS (CONT.)</b></p> <p>POLICE INJURY SEVERITY CODE FOR THIS OCCUPANT</p> <p>(0) O - NO INJURY          (1) C - POSSIBLE INJURY          (2) B - NON-INCAPACITATING          (3) A - INCAPACITATING INJURY          (4) K - FATAL          (5) INJURED, SEVERITY UNKNOWN          (6) DIED PRIOR TO IMPACT          (7) NON-FATAL INJURY,              SEVERITY UNKNOWN          (9) UNKNOWN</p> <p style="text-align: center;"><i>per conversation w/ investigating officer</i></p>	<p>3</p> <p>36</p>	<p><b>CHILD SEAT TYPE</b></p> <p>(00) NONE USED          (01) YES, USED          (02) INTEGRAL, Chrysler Mini-van          (88) NOT APPLICABLE              (ADULT OR OLDER CHILD)          (99) UNKNOWN</p> <p><b>CHILD SEAT MAKE/MODEL</b></p> <hr/> <hr/> <hr/>	<p>88</p> <p>41 42</p>
<p><b>RESTRAINT SYSTEM</b></p> <p><b>ACTIVE RESTRAINT SYSTEM</b></p> <p>(0) NONE          (1) LAP BELT          (2) SHOULDER HARNESS ONLY          (3) BOTH LAP BELT &amp;              SHOULDER HARNESS          (9) UNKNOWN</p> <p><b>ACTIVE RESTRAINT SYSTEM USAGE</b></p> <p>(0) NONE (AVAILABLE BUT NOT USED)          (1) LAP BELT ONLY          (2) SHOULDER HARNESS ONLY          (3) BOTH LAP BELT &amp;              SHOULDER HARNESS          (7) IMPROPER USAGE          (8) NOT APPLICABLE (NONE AVAILABLE)          (9) UNKNOWN</p> <p><b>PASSIVE RESTRAINT SYSTEM</b></p> <p>(0) NONE          (1) AIRBAG INSTALLED          (2) PASSIVE UPPER TORSO              WITH KNEE BOLSTERS          (3) PASSIVE UPPER TORSO              WITHOUT KNEE BOLSTERS          (4) PASSIVE LAP &amp; UPPER TORSO          (5) AIRBAG INSTALLED &amp;              PASSIVE RESTRAINT          (7) OTHER: _____          (9) UNKNOWN</p> <p><b>PASSIVE RESTRAINT SYSTEM USAGE</b></p> <p>(0) SYSTEM DEFEATED          (1) AIRBAG NOT DEPLOYED          (2) AIRBAG DEPLOYED          (3) AIRBAG NOT REINSTALLED          (4) PASSIVE UPPER TORSO USED          (5) PASSIVE LAP &amp; UPPER TORSO USED          (6) SYSTEM USED IN MANUAL MODE          (7) IMPROPER USAGE          (8) NOT APPLICABLE (NOT ORIGINALLY EQUIPPED)          (9) UNKNOWN</p>	<p>3</p> <p>37</p> <p>38</p> <p>39</p> <p>2</p> <p>40</p>	<p><b>EJECTION</b></p> <p><b>DEGREE OF EJECTION</b></p> <p>(0) NONE          (1) PARTIAL          (2) COMPLETE          (7) EJECTED, DEGREE UNKNOWN          (9) UNKNOWN IF EJECTED</p> <p><b>AREA OF EJECTION</b></p> <p>(01) WINDOW, LEFT SIDE          (02) WINDOW, RIGHT SIDE          (03) WINDOW, REAR          (04) DOOR, LEFT SIDE          (05) DOOR, RIGHT SIDE          (06) DOOR, REAR OR TAILGATE          (07) WINDSHIELD          (08) ROOF OR OPEN CONVERTIBLE OR              FROM EXTERNAL AREA          (96) EJECTED AREA UNKNOWN          (97) OTHER AREA: _____          (98) NOT APPLICABLE (NOT EJECTED)          (99) UNKNOWN IF EJECTED</p> <p><b>IF OCCUPANT WAS EJECTED, DESCRIBE IN DETAIL BELOW:</b></p> <hr/> <hr/> <hr/>	<p>0</p> <p>43</p> <p>98</p> <p>44 45</p>
		<p><b>HEAD RESTRAINT</b></p> <p><b>HEAD RESTRAINT AVAILABLE FOR THIS POSITION</b></p> <p>(0) NOT EQUIPPED OR REMOVED          (1) EQUIPPED          (9) UNKNOWN</p>	<p>1</p> <p>46</p>

## OCCUPANT INFORMATION OC-3

OCCUPANT EYEWEAR		SOURCE OF INFORMATION	
(0) NONE (1) GLASSES (2) CONTACTS (3) BOTH GLASSES AND CONTACTS (4) OTHER _____ (8) NOT APPLICABLE (9) UNKNOWN	9 47	(0) INTERVIEW (1) HOSPITAL (2) AUTOPSY (3) POLICE (4) OTHER _____ (5) LAY CORONER/EXTERNAL EXAM (7) COMBINATION OF ABOVE (CIRCLE) (8) NOT APPLICABLE (9) UNKNOWN	1 48

OCCUPANT INFORMATION OC-4

INDICATE LOCATION OF INJURIES.



Duplicate columns 1-8  
from the previous card.

Module 1  
9    C    Format 0  
11    12

## INJURY CLASSIFICATION IC-1

NOTE: Each line in the table below is a separate record (card).  
Duplicate columns 1 - 12 for each completed line.

### OCCUPANT INJURY CLASSIFICATION

				PRIMARY OIC					ASSOCIATED OIC					COMMENTS									
OCCUPANT NUMBER	INJURY NUMBER	PLACE CONTACTS IN ORDER OF PROBABILITY (HORIZONTALLY). START WITH MOST PROBABLE IN 1ST CONTACT AREA COLUMN.										BODY REGION	ASPECT	LESION	SYSTEM/MORGAN	SEVERITY	BODY REGION	ASPECT	LESION	SYSTEM/MORGAN	SEVERITY	COMMENTS	
		AREA(S) OF POSSIBLE CONTACT		1ST	2ND	BODY REGION	1	2	3	4	5												
13-14	15-16	17-18	19-20	COMMENTS		21	22	23	24	25	26	27	28	29	30								
01	01	87	—			F	L	C	I	1	—	—	—	—	—								
	02	87	—			F	R	C	I	1	—	—	—	—	—								
	03	65	—			F	C	F	S	3	—	—	—	—	—								
	04	65	—			F	B	F	S	1	—	—	—	—	—								
	05	65	—			F	I	F	S	2	—	—	—	—	—								
	06	65	—			F	I	V	S	1	—	—	—	—	—								
	07	87	—			F	I	A	I	1	—	—	—	—	—								
	08	65	—			C	C	A	I	1	—	—	—	—	—								
	09	65	—			C	U	U	U	3	—	—	—	—	—								
	10	98	—			B	I	F	S	2	—	—	—	—	—								
	11	98	—			B	I	F	S	2	—	—	—	—	—								
	12	98	—			B	I	F	S	2	—	—	—	—	—								
	13	98	—			B	I	F	S	2	—	—	—	—	—								
	14	51	28			m	I	C	D	3	—	—	—	—	—								
	15	51	28			m	I	L	I	1	—	—	—	—	—								
	16	55	—			R	R	A	I	1	—	—	—	—	—								
	17	55	—			W	R	C	I	1	—	—	—	—	—								
	18	55	—			W	R	A	I	1	—	—	—	—	—								

Duplicate "Occupant Number" for each line.

NOTE: USE ADDITIONAL PAGES IF NECESSARY.

## CODES FOR AREAS OF POSSIBLE OCCUPANT CONTACT

## FRONT OF PASSENGER COMPARTMENT

- (10) SUNVISOR, FITTING(S) & OR TOP MOLDING
- (12) WINDSHIELD
  
- (05) INSTRUMENT PANEL (*SPECIFIC AREA UNKNOWN*)
- (54) UPPER INSTRUMENT PANEL (X)
- (55) MIDDLE INSTRUMENT PANEL (Y)
- (56) LOWER INSTRUMENT PANEL (Z)
- (81) ASH TRAY (*INSTRUMENT PANEL*)
- (02) GLOVE COMPARTMENT AREA
- (47) AIRBAG (ACRS) COMPARTMENT DOOR/COVER
  
- (57) BENEATH INSTRUMENT PANEL
- (53) PARCEL TRAY
- (48) KNEE RESTRAINT
- (86) VERTICAL CONSOLE
  
- (28) FOOT CONTROLS (*INCL. PARKING BRAKE PEDAL*)
  
- (09) STEERING ASSEMBLY (*SPECIFIC AREA UNKNOWN*)
- (65) STEERING WHEEL
- (66) STEERING WHEEL COLUMN
- (59) TRANSMISSION LEVER ON COLUMN
  
- (03) HARDWARE ITEM (*SPECIFIC AREA UNKNOWN*)
- (82) INSTRUMENT(S)
- (83) CONTROL KNOB(S) & LEVER(S) (*FRONT*)
- (84) PARKING BRAKE HANDLE IN FRONT
- (67) IGNITION KEY
- (06) MIRROR
- (04) HEATER OR AIR CONDITIONING DUCTS
- (01) AIR CONDITIONING OR VENTILATION OUTLET(S)
- (08) RADIO (*BUILT IN*)
- (58) ADD-ON TAPE DECK, RADIO, A/C
- (68) ROOF MOUNTED CONTROLS/CONSOLES

## REAR

- (88) SURFACE OF REAR INTERIOR
- (23) REAR WINDOW
- (39) REAR WINDOW HEADER
- (50) REAR SEAT CUSHION & BACK

## INTERIOR-GENERAL

- (11) TRANSMISSION SELECTION LEVER (*LOCATION UNK.*)
- (59) TRANSMISSION LEVER ON STEERING COLUMN
- (44) TRANSMISSION LEVER ON FLOOR OR CONSOLE
- (07) PARKING BRAKE HANDLE (*LOCATION UNKNOWN*)
- (84) PARKING BRAKE HANDLE IN FRONT
- (85) PARKING BRAKE HANDLE ON FLOOR OR CONSOLE
- (28) FOOT CONTROLS (*INCL. PARKING BRAKE PEDAL*)
  
- (29) FRONT SEAT-BACK(S)
- (51) FRONT SEAT CUSHION
- (50) REAR SEAT CUSHION & BACK
- (49) ARMREST ON SEAT
- (89) UNDER SEAT BOTTOM
  
- (33) RESTRAINT SYSTEM HARDWARE
- (34) RESTRAINT SYSTEM WEBBING
- (87) AIR CUSHION SKIN (AIRBAG)
- (47) AIRBAG (ACRS) COMPARTMENT DOOR/COVER
- (46) AIRBAG GAS
- (48) KNEE RESTRAINT
- (30) HEAD RESTRAINT
- (42) CHILD SEAT RESTRAINTS
- (43) CHILD SEAT
- (31) INTERIOR LOOSE OBJECT
- (32) OTHER OCCUPANT(S)
- (52) INTERNAL FLYING GLASS (*FROM ANY SOURCE*)
- (41) UNKNOWN INTERIOR SURFACE

## SIDES

- (20) SURFACE OF SIDE INTERIOR
- (19) HARDWARE ON SIDE OR DOOR
- (13) ARMREST ON SIDE OR DOOR
- (24) COAT HOOK
  
- (22) WINDOW GLASS (*SIDE*)
- (21) WINDOW FRAMES (*SIDE*)
  
- (26) ROOF SIDE RAIL
- (14) A-PILLAR
- (15) B-PILLAR
- (16) C-PILLAR
- (17) D-PILLAR

## FLOOR

- (40) FLOOR
- (27) CONSOLE ON FLOOR OR BETWEEN SEATS
- (44) TRANSMISSION LEVER ON FLOOR OR CONSOLE
- (85) PARKING BRAKE HANDLE ON FLOOR OR CONSOLE
- (28) FOOT CONTROLS (*INCL. PARKING BRAKE PEDAL*)
- (91) KICKPANEL

## ROOF

- (25) ROOF OR CONVERTIBLE TOP
- (10) SUNVISOR, FITTING(S) & OR TOP MOLDING
- (26) ROOF SIDE RAIL
- (24) COAT HOOK
- (18) DOME LIGHT
- (39) BACKLIGHT HEADER
- (68) ROOF MOUNTED CONTROLS/CONSOLE
- (69) ROLL BAR

## EXTERIOR SURFACE OF CASE VEHICLE

- (37) OUTSIDE SURFACE OF CASE VEHICLE (*SPECIFIC AREA UNKNOWN*)
- (35) HOOD OF CASE VEHICLE
- (60) EXTERIOR OF CASE VEHICLE (E.G. *OUTSIDE MIRRORS, ANTENNA, TRIM*)
- (62) EXTERIOR SIDE ROOF RAIL OF CASE VEHICLE
- (63) TRUNK LID OF CASE VEHICLE
- (64) TIRES OF CASE VEHICLE

## BEYOND CASE VEHICLE BOUNDARY

- (36) AREA EXTERIOR TO CAR (*SPECIFIC AREA UNK.*)
- (70) HOOD OF OTHER VEHICLE
- (71) OTHER VEHICLE EXTERIOR HARDWARE (E.G. *OUTSIDE MIRRORS, ANTENNA, TRIM*)
- (73) EXTERIOR SIDE ROOF RAIL OF OTHER VEHICLE
- (74) HEADLIGHT OR FRONT GRILL OF OTHER VEH.
- (75) TRUNK OF OTHER VEHICLE
- (76) OUTSIDE SURFACE OF OTHER VEHICLE
- (77) TIRES OF OTHER VEHICLE
- (78) GROUND
- (79) WATER
- (80) EXTERIOR OBJECT (*NOT VEHICLE, GROUND, OR WATER. PLEASE DESCRIBE.*)

## PENETRATING OBJECTS

- (61) OTHER VEHICLE
- (72) OBJECTS (*DESCRIBE*)

## MISCELLANEOUS

- (00) NO CONTACT (*INVALID FIELD FORM CODE*)
- (38) OTHER (E.G. FIRE. *DESCRIBE*)
- (90) SPARE TIRE
- (96) INDUCED
- (97) EJECTED, UNKNOWN CONTACT
- (98) IMPACT FORCE, "WHIPLASH", HYPEREXTENSION/COMPRESSION
- (99) UNKNOWN AREA OF CONTACT

Duplicate columns 1-8  
from the previous card.

**Module** I    C    **Format** 0    1  
      9    10              11    12

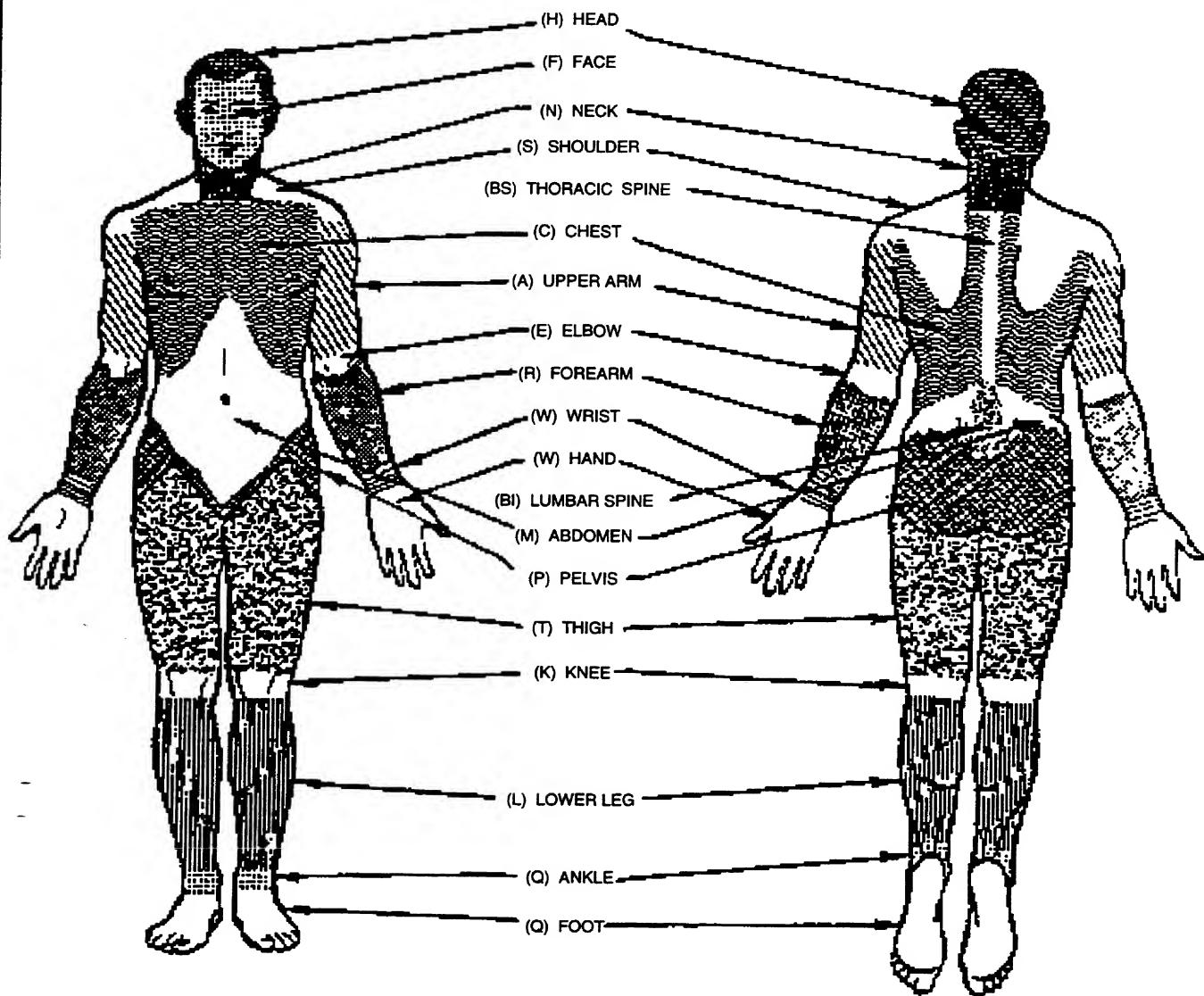
## **INJURY CLASSIFICATION IC-1**

**NOTE:** Each line in the table below is a separate record (card).  
Duplicate columns 1 - 12 for each completed line.

## OCCUPANT INJURY CLASSIFICATION

**NOTE: USE ADDITIONAL PAGES IF NECESSARY.**

THE FIGURE BELOW  
IS AN EXPLANATION OF THE BODY REGION CODES  
LISTED ON PAGE IC - 4.



## INJURY CLASSIFICATION IC-4

## CODES FOR OCCUPANT INJURY CLASSIFICATION (OIC)

1 BODY REGION	3 LESION	4 SYSTEM/ORGAN				
(H) HEAD/SKULL	(L) LACERATION	(S) SKELETAL				
(F) FACE	(C) CONTUSION	(V) VERTEBRAE				
(N) NECK	(A) ABRASION	(J) JOINTS				
(S) SHOULDER	(F) FRACTURE	(D) DIGESTIVE				
(X) UPPER EXTREMITIES	(P) PERFORATION, PUNCTURE	(L) LIVER				
(A) ARM (UPPER)	(K) CONCUSSION	(N) NERVOUS SYSTEM				
(E) ELBOW	(V) AVULSION	(B) BRAIN				
(R) FOREARM	(R) RUPTURE	(C) SPINAL CORD				
(W) WRIST/HAND	(S) SPRAIN	(E) EARS				
(C) CHEST	(D) DISLOCATION	(O) EYES				
(M) ABDOMEN	(N) CRUSH	(A) ARTERIES				
(B) BACK	(M) AMPUTATION	(H) HEART				
(P) PELVIC/HIP	(B) BURN	(Q) SPLEEN				
(Y) LOWER EXTREMITIES	(G) DETACHMENT, SEPARATION	(G) UROGENITAL				
(T) THIGH	(Z) FRACTURE AND DISLOCATION	(K) KIDNEYS				
(K) KNEE	(T) STRAIN	(R) RESPIRATORY				
(L) LEG (LOWER)	(E) TOTAL SEVERANCE, TRANSECTION	(P) PULMONARY/LUNGS				
(Q) ANKLE/FOOT	(O) OTHER	(M) MUSCLES				
(O) WHOLE BODY	(U) UNKNOWN	(T) THYROID, OTHER ENDOCRINE GLAND				
(U) UNKNOWN		(I) INTEGUMENTARY (SKIN)				
		(W) ALL SYSTEMS IN REGION				
		(U) UNKNOWN				
2 ASPECT	BODY REGION	ASPECT	LESION	SYSTEM/ORGAN	SEVERITY	5 SEVERITY (OR "AIS", ABBREVIATED INJURY SCALE)
(R) RIGHT			1	2	3	(0) NONE
(L) LEFT					4	(1) MINOR
(B) BILATERAL					5	(2) MODERATE
(C) CENTRAL						(3) SERIOUS
(A) ANTERIOR/FRONT						(4) SEVERE
(P) POSTERIOR/BACK						(5) CRITICAL
(S) SUPERIOR/UPPER						(6) MAXIMUM
(I) INFERIOR/LOWER						(9) UNKNOWN
(W) WHOLE REGION						
(U) UNKNOWN						

PN#1 100 m  
PN#2 2000 m  
Time: May 2010 9:0000 UTC  
From: All your base are

Lat: 30.0 N Long: 90.0 E  
Cloudy  
Wind: 10 MPH  
Water: 10000 ft depth

North

Latitude: 30.0 N Long: 90.0 E

A1 P

A2 P

A3 P

Concrete Protection 1000

Bridge

PN 18200 #1



PN 18200 #2

**PN 18200 #3**



PN 18200 #4



**PH 18200 #5**  
**Best Available**



**PN 18200 #6**  
**Best Available**



**PN 18200 #7**  
**Base Available**



PN 18200 #8



PN 18200 #9



PN 18200810



PN 18200 #11



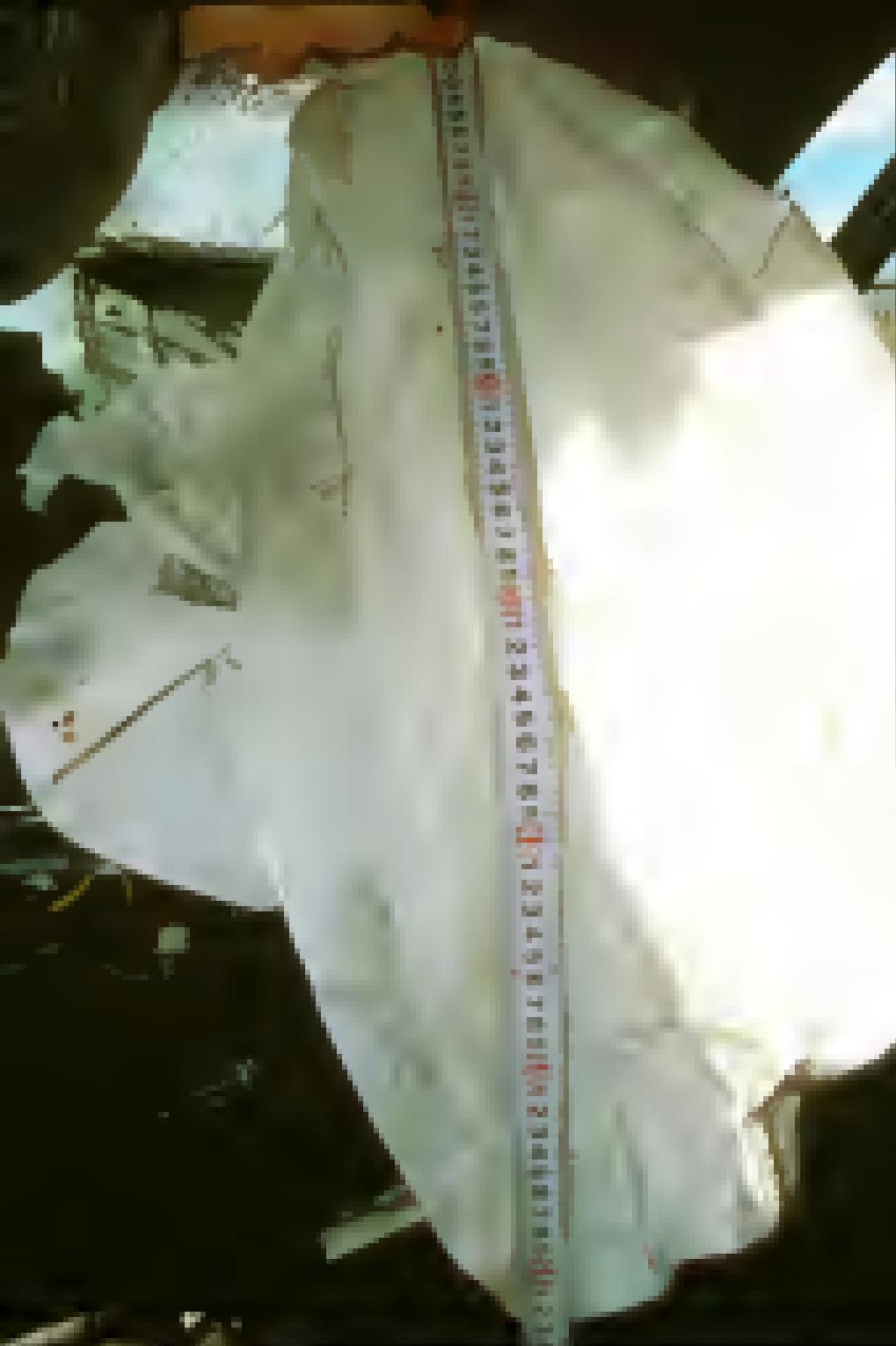
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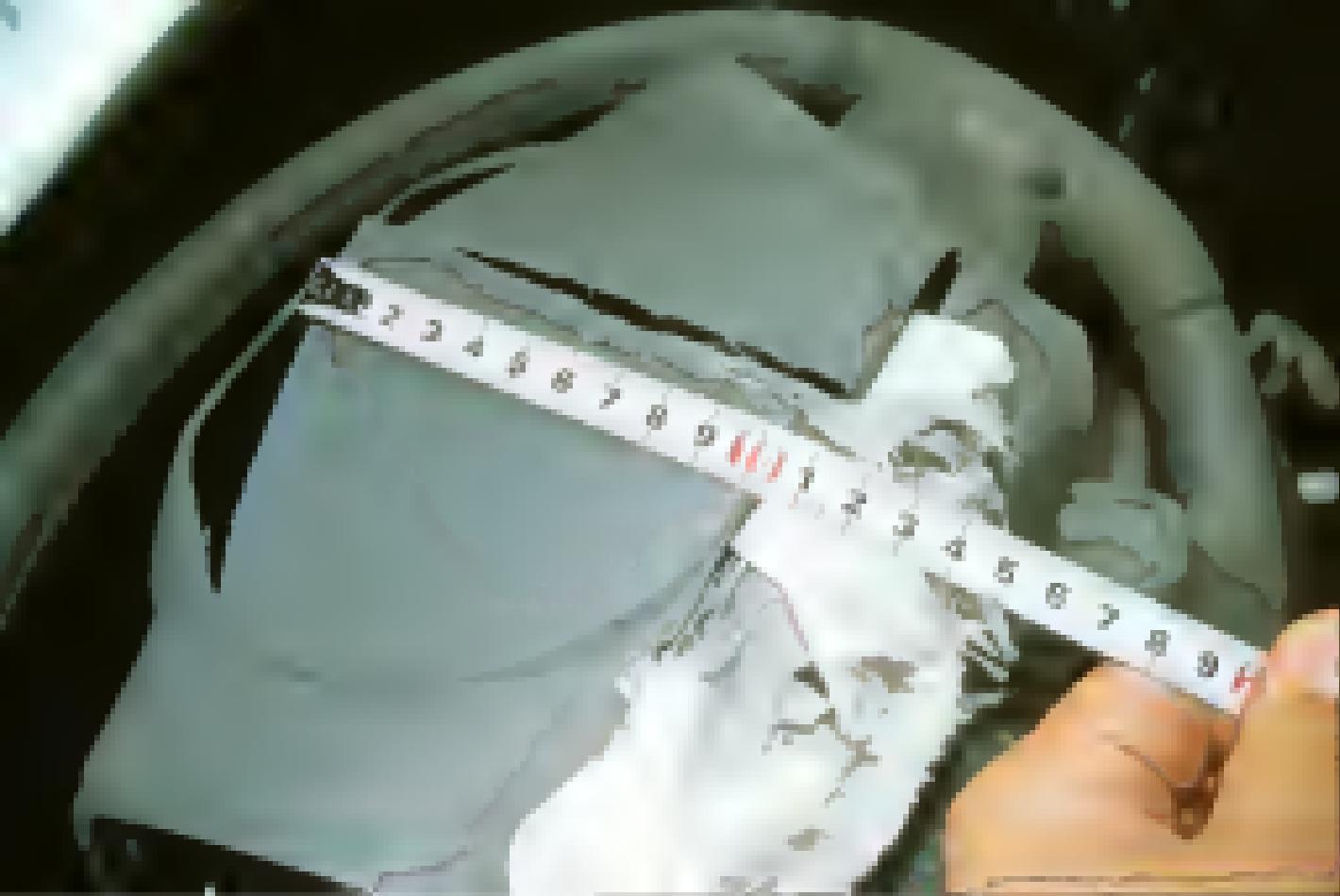
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PN 18200-#18



PN 18200 #17



PN 18200-#18

PN 18200-#10



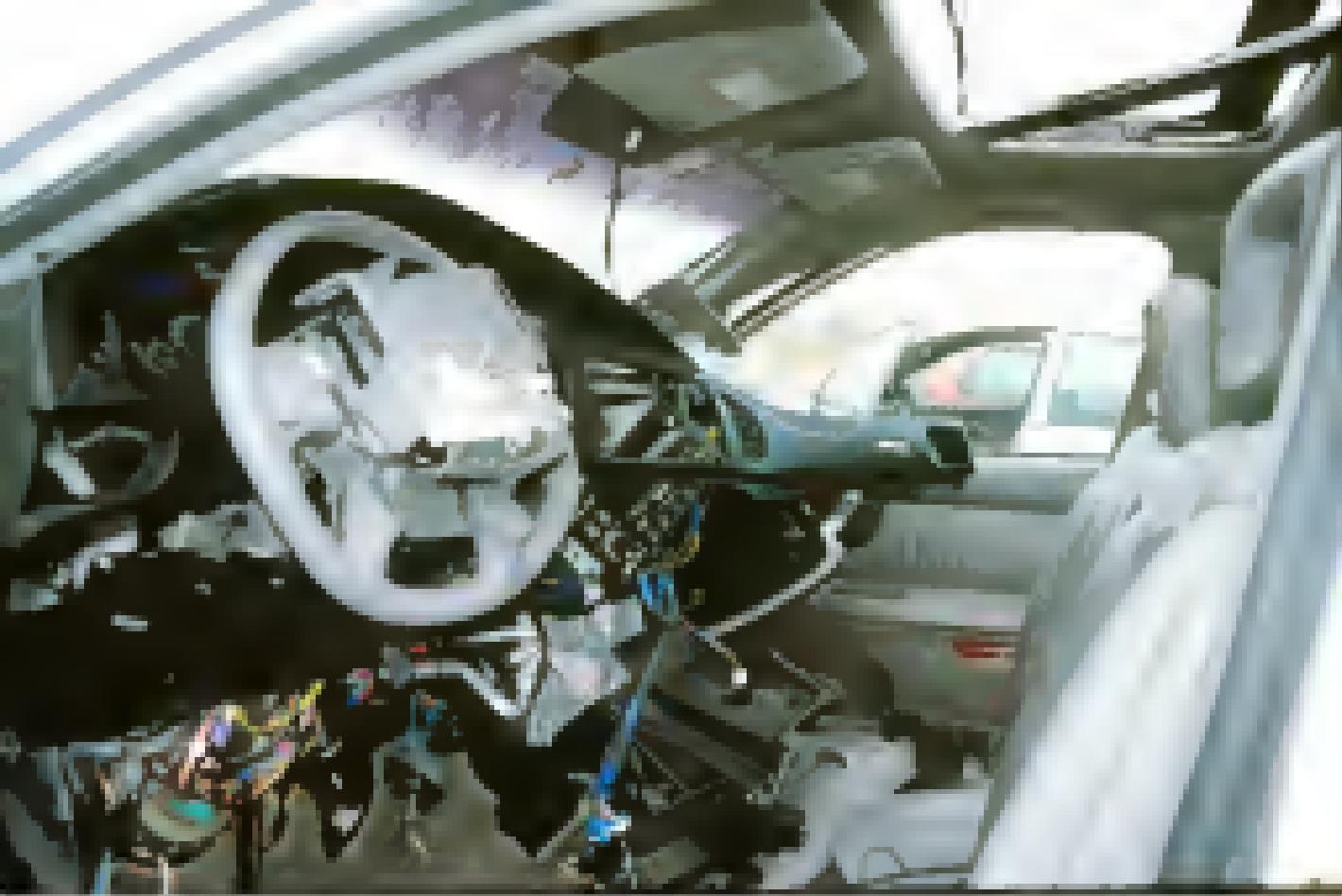
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PN 18200 #21



PN 18200 #22



PN 18200 #23



PN 18200 824



PN 18200 #25



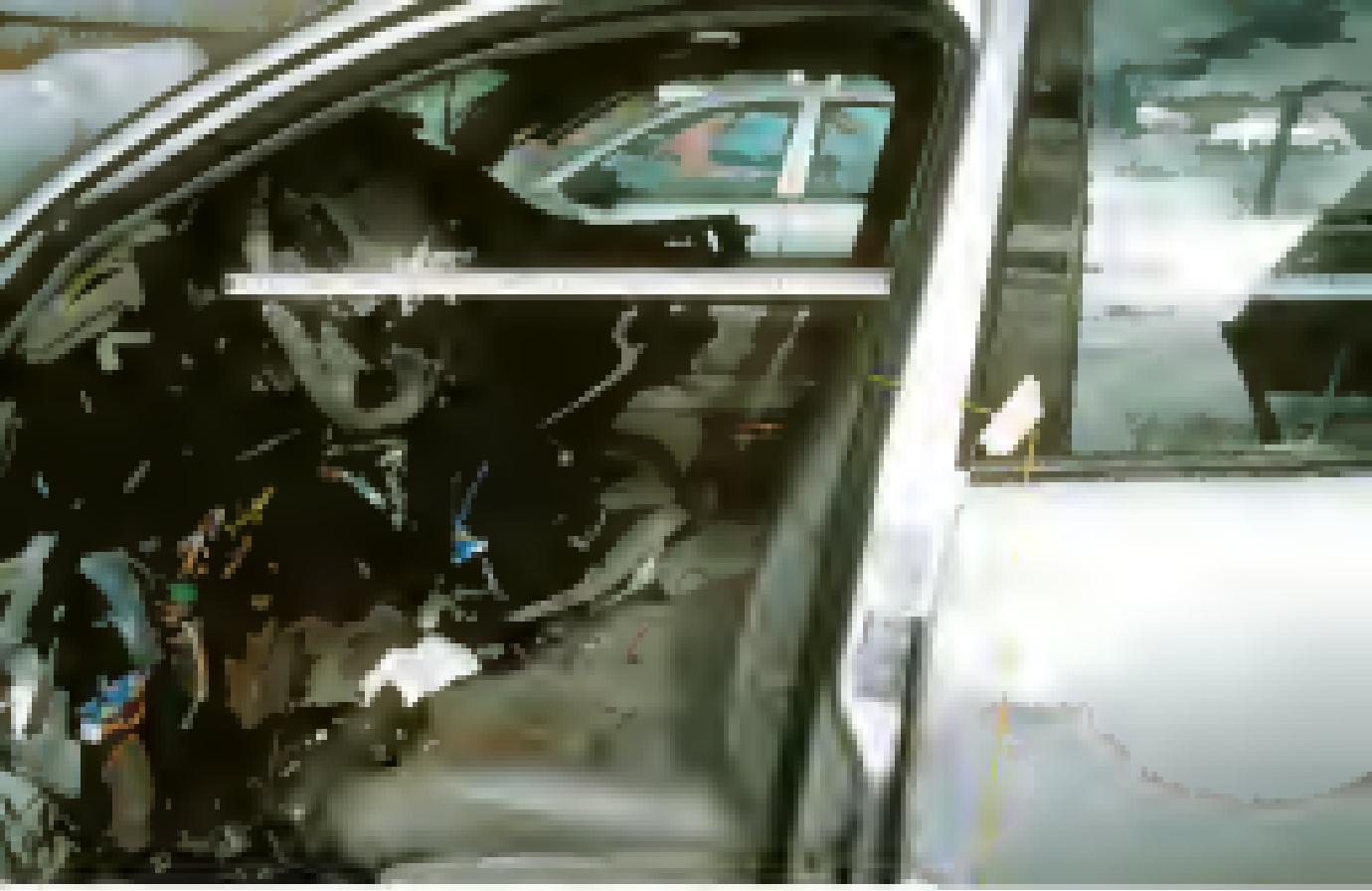
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PN 18200 #27



**PN 18200 #28  
Best Available**



**PN 18200 #29**  
**Best Available**



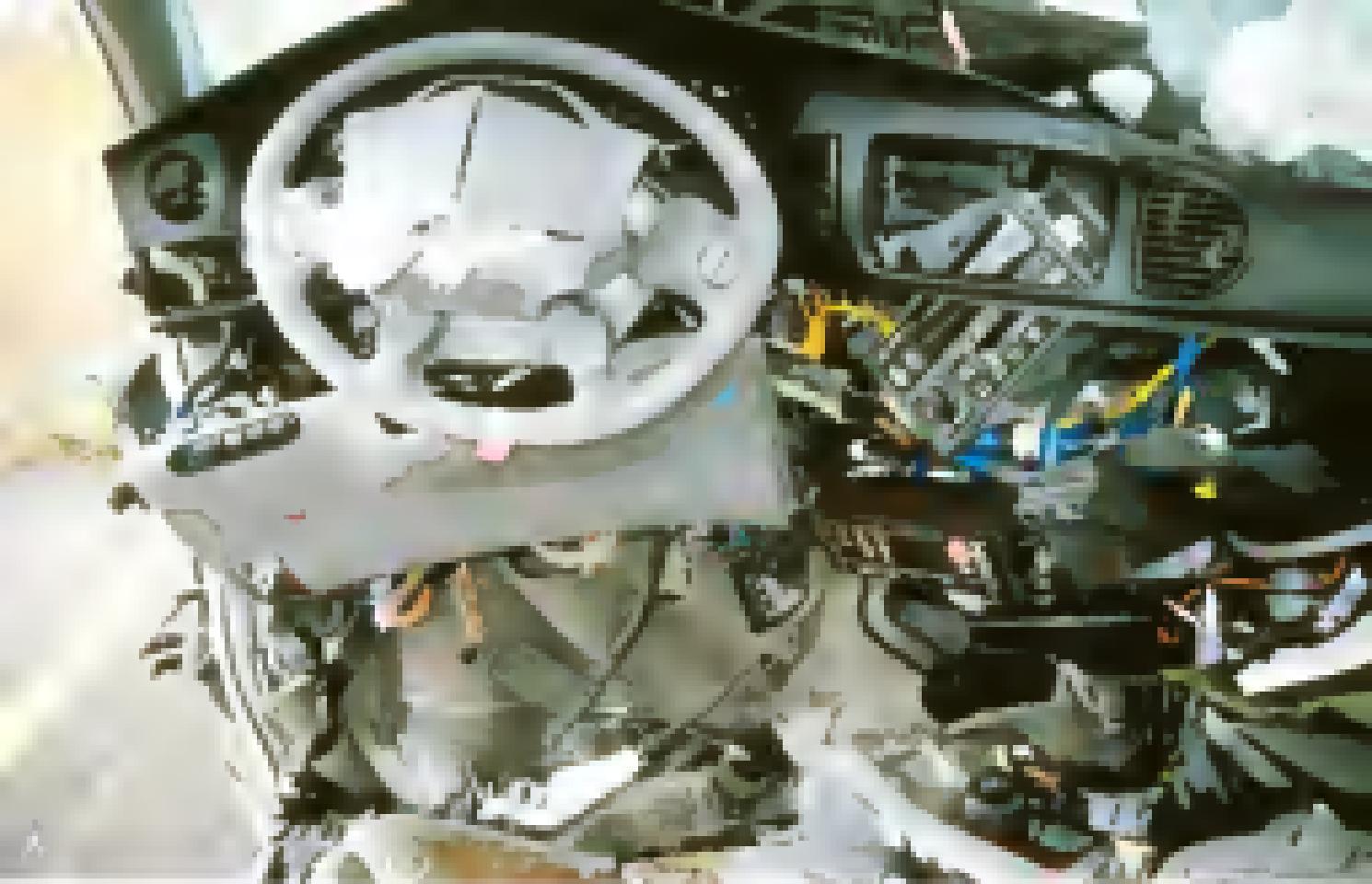
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PN 18200 #31



PN 18200 #32



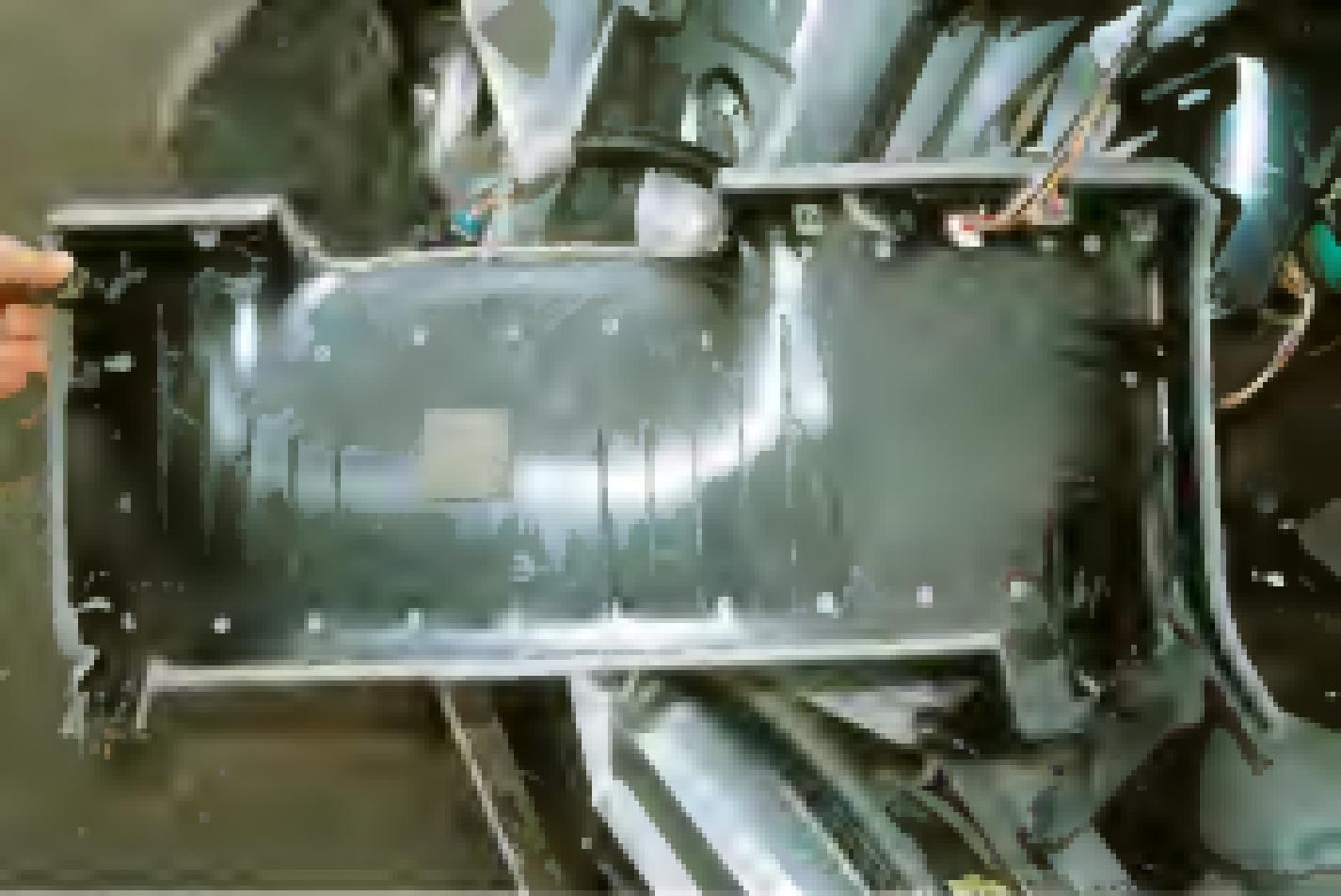
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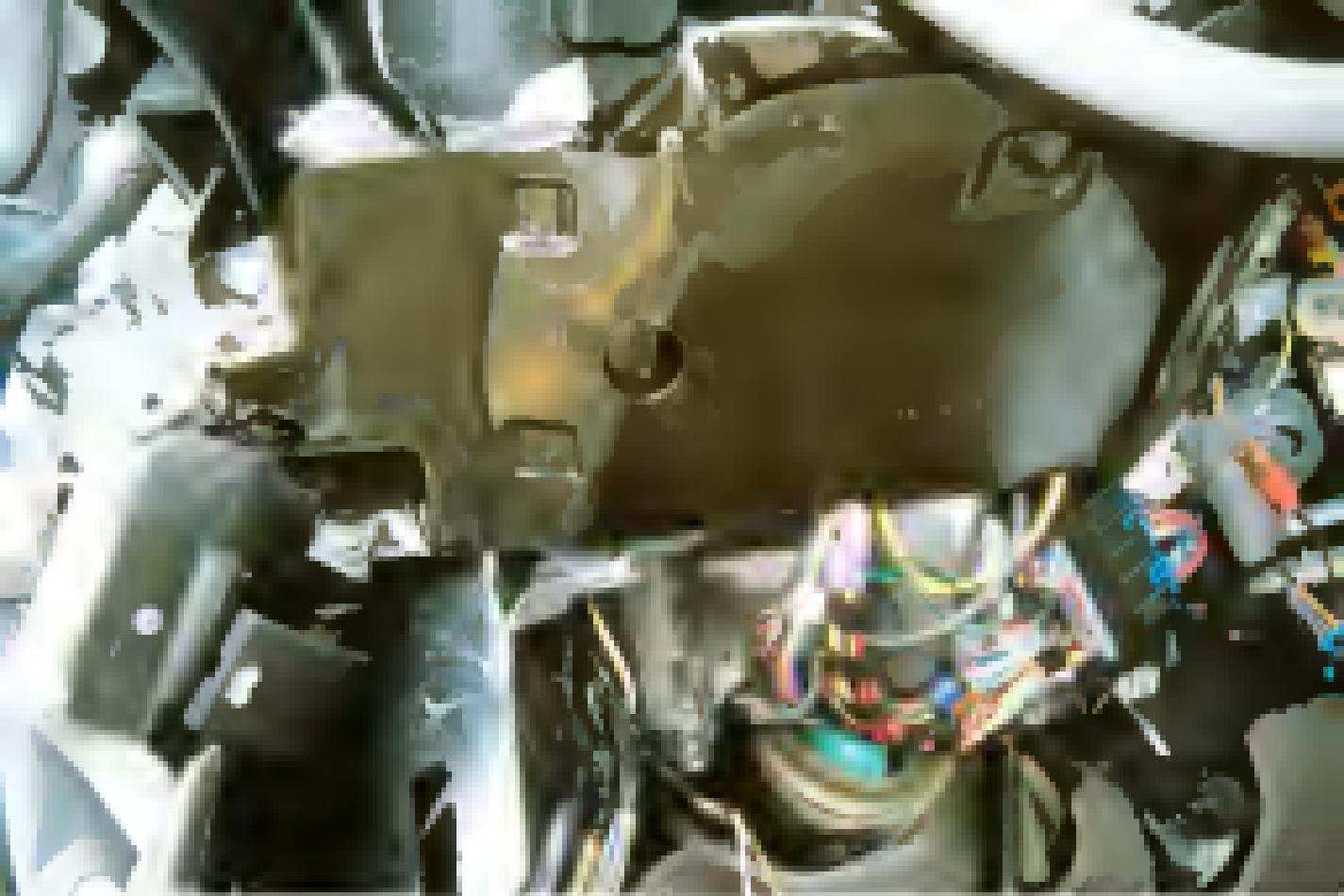
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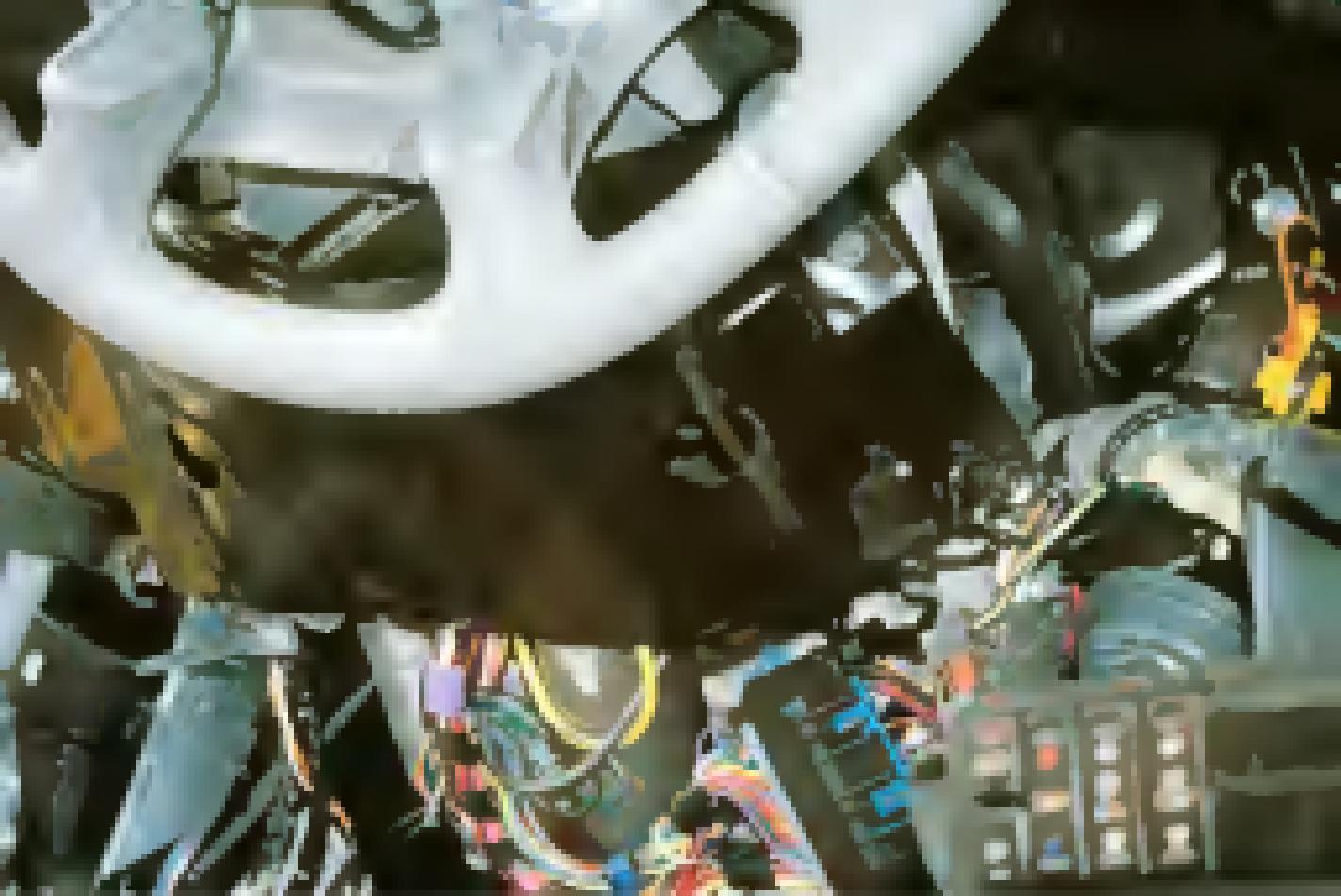
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PN 18200 #36



PN 18200 #37



PN 18200-52R



PN 18200 F39



PN 18200 #40



PN 18200 #41



PN 18200 #42



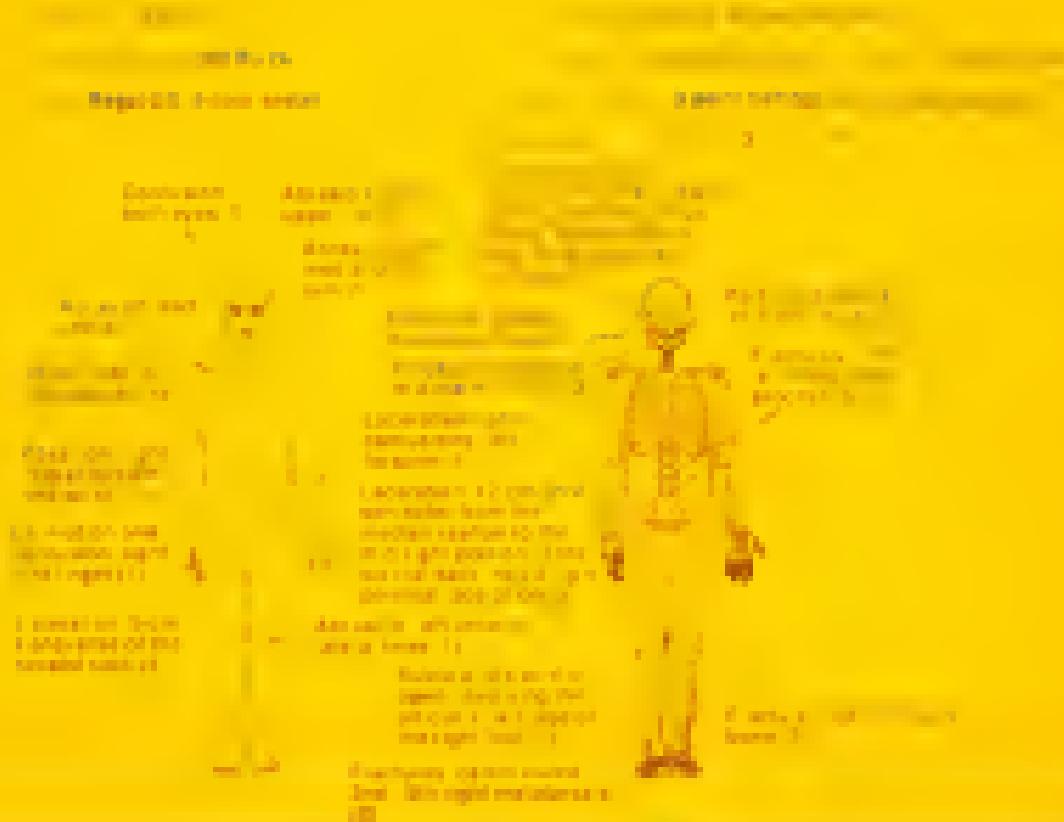
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PN 18200 #44



PN 18200 #45



PN 18200 #40